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STIC-Biotech/ChemLib

110474

From: Borin, Michael
Sent: Monday, December 15, 2003 3:56 PM
To: STIC-Biotech/ChemLib
Subject: Search request:10/027038

Examiner: M.Borin
CM1 12A01
AU: 1631; Mailbox 12D01

Tel.: 305-4506

RE: 10/027038; peptide conjugates

Please conduct search of polypeptide SEQ ID 11 against the commercial and interference protein databases.

Thank you

Searcher: _____
Phone: _____
Location: *12/17/03*
Date Picked Up: *12/17/03*
Date Completed: *12/17/03*
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: *OSP*
WWW/Internet: _____
Other (specify): _____



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 110474

TO: Michael Borin
Location: CM-1/12A01/12D01
Art Unit: 1631
Wednesday, December 17, 2003

Case Serial Number: 10/027038

From: Edward Hart
Location: Biotech-Chem Library
CM1-6B02
Phone: 305-9203

edward.hart@uspto.gov

Search Notes

Examiner Borin,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

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OM protein - protein search, using SW model

Run on: December 17, 2003, 16:19:10 ; Search time 22 Seconds

(without alignments)
69.236 Million cell updates/sec

Title: US-10-027-038-11
Perfect score: 211
Sequence: 1 MCPSPQTYPSDPGPVEDLIRRDNLQQWLNCTAAC 36

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep: *
2: /cgn2_6/ptodata/1/iaa/SB_COMB.pep: *
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep: *
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep: *
5: /cgn2_6/ptodata/1/iaa/PCTUS_Comb.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	147	69.7	36	1 US-07-776-272-18 Sequence 18, Appl1
2	86	40.8	36	1 US-07-882-925-1 Sequence 1, Appl1
3	86	40.8	36	1 US-08-264-031-1 Sequence 1, Appl1
4	86	40.8	36	1 US-08-338-395-4 Sequence 4, Appl1
5	86	40.8	36	3 US-08-907-402A-2 Sequence 2, Appl1
6	86	40.8	36	4 US-09-181-941-5 Sequence 5, Appl1
7	86	40.8	36	5 PCT-US99-14303-4 Sequence 5, Appl1
8	84	39.8	36	1 US-07-882-925-2 Sequence 2, Appl1
9	84	39.8	36	1 US-07-882-925-3 Sequence 3, Appl1
10	84	39.8	36	1 US-07-882-925-4 Sequence 24, Appl1
11	84	39.8	36	3 US-08-907-402A-1 Sequence 1, Appl1
12	84	39.8	36	5 PCT-US99-14303-3 Sequence 3, Appl1
13	84	39.8	97	3 US-09-054-392-1 Sequence 4, Appl1
14	84	39.8	97	3 US-08-934-942A-6 Sequence 2, Appl1
15	84	39.8	97	3 US-09-229-900-1 Sequence 1, Appl1
16	84	39.8	97	4 US-09-291-994-6 Sequence 6, Appl1
17	81	38.4	36	4 US-09-181-941-3 Sequence 3, Appl1
18	72	34.1	32	4 US-09-125-138-10 Sequence 10, Appl1
19	72	34.1	36	1 US-07-862-923-3 Sequence 3, Appl1
20	72	34.1	36	1 US-08-338-395-1 Sequence 1, Appl1
21	72	34.1	36	1 US-08-338-395-2 Sequence 1, Appl1
22	72	34.1	36	3 US-09-047-982B-1 Sequence 4, Appl1
23	72	34.1	36	4 US-09-181-941-4 Sequence 1, Appl1
24	72	34.1	36	5 PCT-US99-14303-1 Sequence 4, Appl1
25	72	34.1	63	4 US-09-229-727-4 Sequence 9, Appl1
26	71	33.6	1	1 US-08-329-151-9 Sequence 2, Appl1
27	68	32.2	29	1 US-08-329-151-1 Sequence 1, Appl1

RESULT 1
US-07-776-272-18
; Sequence 18, Application US/07776272
; Patent No. 5612454
; GENERAL INFORMATION:
; APPLICANT: Kamimura, Toshihiko
; APPLICANT: Iida, Toshihi
; APPLICANT: Tajima, Masahiro
; TITLE OF INVENTION: Process for Purification of Polypeptide
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wegner, Cantor, Mueller & Player
; STREET: 1233 20th St. N.W. P.O. Box 18218
; CITY: Washington
; STATE: District of Columbia
; COUNTRY: United States of America
; ZIP: 20036-8218
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/776,272
FILING DATE: 19911129
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Player, William R
REGISTRATION NUMBER: 31,409
REFERENCE/DOCKET NUMBER: P-450-23167
TELECOMMUNICATION INFORMATION:
LENGTH: 36 amino acids
TELEPHONE: 202-887-0400
TELEFAX: 202-887-0605
TELEX: 440706
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
SEQUENCE LENGTH: 36 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULAR TYPE: Peptide
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Avian
US-07-776-272-18

Query Match Similarity 69.7%; Score 147; DB 1; Length 36;
Matches 27; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qry 3 PSQPPYPSGPSPGPVPLIRYRDNLQQWLNCTAAC 33

RESULT 2
 US-07-882-923-1
 Sequence 1, Application US/07882923
 ;
 GENERAL INFORMATION:
 ;
 APPLICANT: Boublik, Jaroslav H.
 ;
 APPLICANT: Rivier, Jean R.P.
 ;
 APPLICANT: Brown, Marvin R.
 ;
 APPLICANT: Scott, Neal A.
 ;
 TITLE OF INVENTION: NPY PEPTIDE ANALOGS
 ;
 NUMBER OF SEQUENCES: 14
 ;
 CORRESPONDENCE ADDRESS:
 ;
 ADDRESSEE: Fitch, Even, Tabin & Flannery
 STREET: 4250 Executive Square, Suite 510
 CITY: La Jolla
 STATE: CA
 COUNTRY: USA
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/882,923
 FILING DATE: 19920512
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/503,198
 FILING DATE: 30-MAR-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/219,596
 FILING DATE: 15-JUL-1988
 ATTORNEY/AGENT INFORMATION:
 NAME: Schumann, James J.
 LENGTH: 36 amino acids
 REGISTRATION NUMBER: 20,856
 REFERENCE DOCKET NUMBER: 52864
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 552-1111
 TELEX/FAX: (619) 552-0095
 INFORMATION FOR SEQ ID NO: 1:
 ATTORNEY/AGENT INFORMATION:
 NAME: Schumann, James J.
 LENGTH: 36 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-264-030-1
 Query Match 40.8%; Score 86; DB 1; Length 36;
 Best Local Similarity 45.2%; Pred. No. 0.00021; Length 36;
 Matches 14; Conservative 7; Mismatches 10; Indels 0; Gaps 0;
 Sequence 4, Application US/08338395
 ;
 PATENT NO. 5574010
 ;
 GENERAL INFORMATION:
 ;
 APPLICANT: McPadden, David W
 ;
 TITLE OF INVENTION: TREATMENT OF PANCREATIC TUMORS WITH
 NUMBER OF SEQUENCES: 5
 ;
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Poms, Smith, Lande & Rose
 STREET: 2029 Century Park East 38th Floor
 CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZIP: 90067
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/338,395
 FILING DATE:
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Oldenkamp, David J
 REGISTRATION NUMBER: 29421
 REFERENCE DOCKET NUMBER: 107012
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-788-5046
 TELEX/FAX: 310-277-1297

RESULT 3
 US-08-264-030-1
 Sequence 1, Application US/08264030
 ;
 PATENT NO. 5569742
 ;
 GENERAL INFORMATION:
 ;
 APPLICANT: Kirby, Dean A.
 ;
 APPLICANT: River, Jean R.P.
 ;
 TITLE OF INVENTION: CENTRALLY TRUNCATED NPY CYCLIC PEPTIDE
 ;
 TITLE OF INVENTION: ANALOGS
 ;
 NUMBER OF SEQUENCES: 11
 ;
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fitch, Even, Tabin & Flannery

STREET: 135 South La Salle Street, Suite 900
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/264,030
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Schumann, James J
REGISTRATION NUMBER: 20,856
REFERENCE DOCKET NUMBER: 55649
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 552-1111
TELEX/FAX: (619) 552-0095
INFORMATION FOR SEQ ID NO: 1:
ATTORNEY/AGENT INFORMATION:
NAME: Schumann, James J.
LENGTH: 36 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-264-030-1

Query Match 40.8%; Score 86; DB 1; Length 36;
Best Local Similarity 45.2%; Pred. No. 0.00021; Length 36;
Matches 14; Conservative 7; Mismatches 10; Indels 0; Gaps 0;
Sequence 4, Application US/08338395
PATENT NO. 5574010
GENERAL INFORMATION:
APPLICANT: McPadden, David W
TITLE OF INVENTION: TREATMENT OF PANCREATIC TUMORS WITH
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Poms, Smith, Lande & Rose
STREET: 2029 Century Park East 38th Floor
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/338,395
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Oldenkamp, David J
REGISTRATION NUMBER: 29421
REFERENCE DOCKET NUMBER: 107012
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-788-5046
TELEX/FAX: 310-277-1297

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 36 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

ORIGINAL SOURCE: PORCINE NEURAL PEPTIDE Y

US-08-338-395-4

Query Match Best Local Similarity 40.8%; Score 86; DB 1; Length 36; Matches 14; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

RESULT 5 US-08-907-403A-2

Sequence 2, Application US/08907403A

Patent No. 6013633

GENERAL INFORMATION:

APPLICANT: Balasubramanian, Ambikaipakan

TITLE OF INVENTION: Compounds For Control

TITLE OF INVENTION: Of Appetite, Blood Pressure, Cardiovascular

NUMBER OF SEQUENCES: 8

SEQUENCE ADDRESS:

ADRESSE: Wood, Herron & Evans, L.L.P.

STREET: 441 Vine Street

CITY: Cincinnati

STATE: Ohio

COUNTRY: USA

ZIP: 45202-2917

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch,

MEDIUM TYPE: 1.44 MB storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows 95

SOFTWARE: Microsoft Word

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/907,403A

FILING DATE: 07-AUG-1997

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/023,588

FILING DATE: 09-AUG-1996

ATTORNEY/AGENT INFORMATION:

NAME: Albaum-Jeneli, Stephan R.

REGISTRATION NUMBER: 41,487

REFERENCE/DOCKET NUMBER: UOC-113A-111

TELECOMMUNICATION INFORMATION:

TELEPHONE: (513) 241-2324

TELEFAX: (513) 421-7269

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 36

TYPE: amino acid

STRANDEDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: No. 6440990e

SEQUENCE DESCRIPTION: SEQ ID NO: 5:

RESULT 7 US-09-181-941-5

Query Match Best Local Similarity 40.8%; Score 86; DB 4; Length 36;

Matches 14; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

RESULT 8 US-09-14303-4

Sequence 3, Application PC/TUS9514303

GENERAL INFORMATION:

APPLICANT: Mcadden, David W

TITLE OF INVENTION: TREATMENT OF PANCREATIC TUMORS

NUMBER OF SEQUENCES: WITH PEPTIDE YY AND ANALOGS THEREOF

SEQUENCE ADDRESS:

ADRESSE: POMS, SMITH, LANDS & ROSS

RESULT 6 US-09-181-941-5

Sequence 2, Application US/09181941

Patent No. 6440690

GENERAL INFORMATION:

APPLICANT: Mor, Amram

Nicolas, Pierre

Vouloudakis, Ioannis

ADDRESS: Pennie & Edmonds LLP

STREET: 115 Avenue of the Americas

CITY: New York

COUNTY: USA

ZIP: 10036-2811

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows

SOFTWARE: FastSeq for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/181 941

FILING DATE: 28-OCT-1998

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: FR 95 07131

FILING DATE: 29-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 3909-0021-999

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-493-4935

TELEFAX: 650-493-5556

TELEX: 6641 PENNIE

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 36 amino acids

TYPE: amino acid

STRANDEDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: No. 6440990e

SEQUENCE DESCRIPTION: SEQ ID NO: 5:

RESULT 9 US-09-14303-4

Sequence 2, Application PC/TUS9514303

GENERAL INFORMATION:

APPLICANT: Mcadden, David W

TITLE OF INVENTION: TREATMENT OF PANCREATIC TUMORS

NUMBER OF SEQUENCES: WITH PEPTIDE YY AND ANALOGS THEREOF

SEQUENCE ADDRESS:

ADRESSE: POMS, SMITH, LANDS & ROSS

RESULT 10 US-09-14303-4

Sequence 3, Application PC/TUS9514303

GENERAL INFORMATION:

APPLICANT: Mcadden, David W

TITLE OF INVENTION: TREATMENT OF PANCREATIC TUMORS

NUMBER OF SEQUENCES: WITH PEPTIDE YY AND ANALOGS THEREOF

SEQUENCE ADDRESS:

ADRESSE: POMS, SMITH, LANDS & ROSS

STREET: 2029 Century Park East 38th Floor
 CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZIP: 90067

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT-US95/14303
 FILING DATE: 03 November 1995
 CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:
 NAME: Oldenkamp, David J
 REGISTRATION NUMBER: 29421
 REFERENCE/DOCKET NUMBER: 107012P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-788-5046
 TELEFAX: 310-277-1297
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 36 amino acids
 TOPOLogy: AMINO ACID
 MOLECULE TYPE: peptide
 ORGANISM: PORCINE NEUTRAL PEPTIDE Y

PCT-US95/14303-4

RESULT 8

US-07-882-923-2

Query Match 40.8%; Score 86; DB 5; Length 36;
 Best Local Similarity 45.2%; Pred. No. 0.00021; Mismatches 10; Indels 0; Gaps 0;
 Matches 14; Conservative 7; MisMatches 10; Indels 0; Gaps 0;

Qy 3 PSQOPTPGDGPVDPVLDLRFNTDNQQLNQWLNCT 33
 Db 2 PSKPDNPQGDDAPADPAPDMDARYSALRHYNLLT 32

RESULT 9

US-08-338-395-3

Sequence 3, Application US/08338395
 Patent No. 5574010

GENERAL INFORMATION:
 APPLICANT: McFadden, David W
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: McFadden, David W
 TITLE OF INVENTION: TREATMENT OF PANCREATIC TUMORS WITH
 TITLE OF INVENTION: PEPTIDE YY AND ANALOGS THEREOF
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: POMS, SMITH, LANDIS & ROSE
 STREET: 2029 Century Park East 38th Floor
 CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZIP: 90067

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/338,395
 FILING DATE:
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Oldenkamp, David J
 REGISTRATION NUMBER: 29421
 REFERENCE/DOCKET NUMBER: 107012

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-788-5046
 TELEFAX: 310-277-1297
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 36 amino acids
 TOPOLogy: AMINO ACID
 MOLECULE TYPE: peptide
 ORGANISM: HUMAN NEUROPEPTIDE Y

US-08-338-395-3

Query Match 39.8%; Score 84; DB 1; Length 36;
 Best Local Similarity 41.9%; Pred. No. 0.00038; Mismatches 13; Conservative 8; MisMatches 10; Indels 0; Gaps 0;

Qy 3 PSQOPTPGDGPVDPVLDLRFNTDNQQLNQWLNCT 33
 Db 2 PSKPDNPQGDDAPADPAPDMDARYSALRHYNLLT 32

RESULT 10
US-08-329-151-24
; Sequence 24, Application US/08329151
; Patent No. 5604203
; GENERAL INFORMATION:
; APPLICANT: Balasubramanian, A.
; TITLE OF INVENTION: ANALOGS OF PEPTIDE YY AND USES
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2" Diskette, 1.44 MB
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (version 5.0)
; SOFTWARE: Wordperfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/329,151
; FILING DATE: 08/19/93
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/038,534
; FILING DATE: 3/29/93
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00537/105001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 24:
; LENGTH: 36
; SEQUENCE CHARACTERISTICS:
; TYPE: amino acid
; STRANDEDNESS: N/A
; FEATURE:
; OTHER INFORMATION: The sequence has an amide C-terminus (i.e., CO-C
; US-08-329-151-24
; Query Match
; Best Local Similarity 39.8%; Score 84; DB 1; Length 36;
; Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;
; Qy 3 PSQOPTYGGPGVVEDLIRPYDILQQLQWLNCTV 33
; Db 2 PSKPDNGEDAPADEMARYSALRHYNLIT 32

RESULT 11
US-08-907-403A-1
; Sequence 1, Application US/08907403A
; Patent No. 6013633
; GENERAL INFORMATION:
; APPLICANT: Balasubramanian, A.
; TITLE OF INVENTION: ANALOGS OF PEPTIDE YY AND USES
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/14303
; FILING DATE: 03 November 1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Oldenkamp, David J
; REGISTRATION NUMBER: 29421
; REFERENCE/DOCKET NUMBER: 107012P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 310-788-5046

TELEFAX: 310-277-1297

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 36 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

HUMAN NEUROPEPTIDE Y

PCT-US95-14303-3

RESULT 13

Query Match 39.8%; Score 84; DB 5; Length 36; Best Local Similarity 41.9%; Pred. No. 0.00038; Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQOPTYRDPGPVEDLIRFYDNIQQWLNCTV 33
Db 2 PSKPDNPGEADPAEDMARYSALRHYNILIT 32

RESULT 13

US-09-054-393-1
Sequence 1, Application US/09054393

Patent No. 601879

GENERAL INFORMATION:

APPLICANT: Mutter, Manfred

APPLICANT: Lacroix, Jean S.

APPLICANT: Groumann, Eric

TITLE OF INVENTION: Template Associated NPY Y2-Receptor

TITLE OF INVENTION: Agonists

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Vison & Elkins LLP

STREET: 1455 Pennsylvania Avenue, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/994,946A

FILING DATE: 19-DEC-1997

CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 2328-110

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-783-6040

TELEFAX: 202-783-6031

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 97 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: protein

US-09-054-393-1

RESULT 14

US-08-994-946A-6
Sequence 6, Application US/08994946A

Patent No. 6046317

GENERAL INFORMATION:

APPLICANT: Koulu, Markku

APPLICANT: Karvonen, Martti

APPLICANT: Pessinen, Ullamari

APPLICANT: Usatupa, Martti

TITLE OF INVENTION: A DNA Molecule Encoding a Mutant

TITLE OF INVENTION: Prepro-Neuropeptide Y, a Mutant Signal Peptide, and Uses

TITLE OF INVENTION: Thereof

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Rothwell, Figi, Ernst & Kurz, P.C.

STREET: 555 13th Street NW, Suite 701-E

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/994,946A

FILING DATE: 19-DEC-1997

CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 2328-110

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-783-6040

TELEFAX: 202-783-6031

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 97 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: protein

US-08-994-946A-6

RESULT 15

US-09-229-900-1
Sequence 1, Application US/09229900

Patent No. 6288029

GENERAL INFORMATION:

APPLICANT: Mutter, Manfred

APPLICANT: Lacroix, Jean S.

APPLICANT: Groumann, Eric

TITLE OF INVENTION: Template Associated NPY Y2-Receptor

TITLE OF INVENTION: Agonists

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Vison & Elkins LLP

STREET: 1455 Pennsylvania Avenue, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.

US-09-054-393-1

Query Match 39.8%; Score 84; DB 3; Length 97; Best Local Similarity 41.9%; Pred. No. 0.00011; Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQOPTYRDPGPVEDLIRFYDNIQQWLNCTV 33
Db 2 PSKPDNPGEADPAEDMARYSALRHYNILIT 32

RESULT 13

US-09-054-393-1
Sequence 1, Application US/09054393

Patent No. 601879

GENERAL INFORMATION:

APPLICANT: Mutter, Manfred

APPLICANT: Lacroix, Jean S.

APPLICANT: Groumann, Eric

TITLE OF INVENTION: Template Associated NPY Y2-Receptor

TITLE OF INVENTION: Agonists

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Vison & Elkins LLP

STREET: 1455 Pennsylvania Avenue, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.

US-09-054-393-1

Query Match 39.8%; Score 84; DB 3; Length 97; Best Local Similarity 41.9%; Pred. No. 0.00011; Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQOPTYRDPGPVEDLIRFYDNIQQWLNCTV 33
Db 2 PSKPDNPGEADPAEDMARYSALRHYNILIT 32

; ZIP: 20004-1008
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/229,900
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sanzo, Michael A.
; REGISTRATION NUMBER: 36,912
; REFERENCE/DOCKET NUMBER: BMR350/48000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 639-6585
; TELEFAX: (202) 639-6604
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 97 amino acids
; TYPE: amino acid
; STRANDBIAS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-09-229-900-1.

Query Match 39.8%; Score 84; DB 3; Length 97;
Best Local Similarity 41.9%; Pred. No. 0.0011; Mismatches 10; Indels 0; Gaps 0;
Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

QY	3	PSQPTYFQDPGVEDLIRFYDQQWLNCTV	33
Db	30	PSKPDNFGDAPADMARYSLRHYNLIT	60

Search completed: December 17, 2003, 16:27:55
Job time : 22 SECs

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OM protein - protein search, using SW model

Run on: December 17, 2003, 16:25:40 ; Search time 21 Seconds
(Without alignments)
92.642 Million cell updates/sec

Title: US-10-027-038-11

Perfect score: 211

Sequence: 1 MCPSQPTYPDPGPVDELRLRPFNDLQQLNLCUTAAC 36

Scoring table: BIOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 285895 seqs, 54041359 residues

Total number of hits satisfying chosen parameters: 285895

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Pending Patents AA New:
1: /cgn2_6/ptodata/1/paa/PCT_NEW_COMBO_PEP: *
2: /cgn2_6/ptodata/1/paa/US06_NEW_COMBO_PEP: *
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMBO_PEP: *
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMBO_PEP: *
5: /cgn2_6/ptodata/1/paa/US09_NEW_COMBO_PEP: *
6: /cgn2_6/ptodata/1/paa/US10_NEW_COMBO_PEP: *
7: /cgn2_6/ptodata/1/paa/US60_NEW_COMBO_PEP: *

Pred. No. 18 the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	84	39.8	36	1 PCT-US03-18657-4
2	84	39.8	36	1 Sequence 4, Appl1
3	84	39.8	97	1 Sequence 1, Appl1
4	84	39.8	97	1 Sequence 6, Appl1
5	84	39.8	97	1 Sequence 8, Appl1
6	84	39.8	97	1 Sequence 1, Appl1
7	84	39.8	97	1 Sequence 7, Appl1
8	84	39.8	97	1 Sequence 2, Appl1
9	68	32.2	36	6 US-10-433-803A-2
10	68	32.2	97	7 US-60-430-619-19
11	68	32.2	97	7 US-60-430-619-19
12	66	31.3	6	US-10-433-803A-5
13	63	29.9	34	1 PCT-US03-18657-3
14	63	29.9	36	1 PCT-US03-18657-1
15	63	29.9	178	5 US-09-969-984-16
16	57	27.0	612	7 US-60-478-196-3222
17	55	26.1	188	5 US-09-837-510A-4778
18	53	25.1	537	6 US-10-322-281-322
19	53	25.1	1309	6 US-10-461-862-27
20	53	25.1	1519	6 US-10-461-862-25
21	53	25.1	1745	7 US-60-487-610-2383
22	51	24.2	377	6 US-10-258-899A-1683
23	51	24.2	406	6 US-10-258-899A-3651
24	51	24.2	6	US-10-679-065-10187
25	51	24.2	641	6 US-10-322-281-361
26	51	1356	7	US-60-487-610-1713

Result No.	Score	Query Match Length	DB ID	Description
27	50.5	33.9	366	6 US-10-382-000-4
28	50.5	23.9	542	7 US-60-485-450-1222
29	50	23.7	422	6 US-10-425-114A-38524
30	50	23.7	499	6 US-10-425-114A-38082
31	50	23.7	560	6 US-10-425-114A-70125
32	50	23.7	753	7 US-60-479-073-437
33	50	23.7	1266	6 US-10-367-094-85
34	50	23.7	1268	7 US-60-487-610-2047
35	50	23.7	1281	6 US-10-367-094-87
36	50	23.7	1283	7 US-60-487-610-2045
37	50	23.7	1679	6 US-10-367-094-89
38	50	23.7	1685	7 US-60-487-610-2046
39	49.5	23.5	1237	1 PCT-US03-28237-4477
40	49.5	23.5	1454	6 US-10-679-063-26148
41	49.5	23.5	1457	6 US-10-679-063-19560
42	49	23.2	20	1 PCT-US03-23875-112
43	49	23.2	288	7 US-60-505-218-538
44	49	23.2	289	7 US-60-505-218-538
45	49	23.2	303	6 US-10-425-114A-71056

ALIGNMENTS

Result No.	Score	Query Match Length	DB ID	Description
1	84	39.8	36	1 PCT-US03-18657-4
2	84	39.8	97	1 Sequence 4, Appl1
3	84	39.8	97	1 Sequence 1, Appl1
4	84	39.8	97	1 Sequence 6, Appl1
5	84	39.8	97	1 Sequence 8, Appl1
6	84	39.8	97	1 Sequence 1, Appl1
7	84	39.8	97	1 Sequence 7, Appl1
8	84	39.8	97	1 Sequence 2, Appl1
9	68	32.2	36	6 US-10-433-803A-2
10	68	32.2	36	6 US-60-430-619-19
11	68	32.2	97	7 US-60-430-619-19
12	66	31.3	6	US-10-433-803A-5
13	63	29.9	34	1 PCT-US03-18657-3
14	63	29.9	36	1 PCT-US03-18657-1
15	63	29.9	178	5 US-09-969-984-16
16	57	27.0	612	7 US-60-478-196-3222
17	55	26.1	188	5 US-09-837-510A-4778
18	53	25.1	537	6 US-10-322-281-322
19	53	25.1	1309	6 US-10-461-862-27
20	53	25.1	1519	6 US-10-461-862-25
21	53	25.1	1745	7 US-60-487-610-2383
22	51	24.2	377	6 US-10-258-899A-1683
23	51	24.2	406	6 US-10-258-899A-3651
24	51	24.2	6	US-10-679-065-10187
25	51	24.2	641	6 US-10-322-281-361
26	51	1356	7	US-60-487-610-1713

Result No.	Score	Query Match Length	DB ID	Description
1	84	39.8	36	1 PCT-US03-18657-4
2	84	39.8	97	1 Sequence 4, Appl1
3	84	39.8	97	1 Sequence 1, Appl1
4	84	39.8	97	1 Sequence 6, Appl1
5	84	39.8	97	1 Sequence 8, Appl1
6	84	39.8	97	1 Sequence 1, Appl1
7	84	39.8	97	1 Sequence 7, Appl1
8	84	39.8	97	1 Sequence 2, Appl1
9	68	32.2	36	6 US-10-433-803A-2
10	68	32.2	36	6 US-60-430-619-19
11	68	32.2	97	7 US-60-430-619-19
12	66	31.3	6	US-10-433-803A-5
13	63	29.9	34	1 PCT-US03-18657-3
14	63	29.9	36	1 PCT-US03-18657-1
15	63	29.9	178	5 US-09-969-984-16
16	57	27.0	612	7 US-60-478-196-3222
17	55	26.1	188	5 US-09-837-510A-4778
18	53	25.1	537	6 US-10-322-281-322
19	53	25.1	1309	6 US-10-461-862-27
20	53	25.1	1519	6 US-10-461-862-25
21	53	25.1	1745	7 US-60-487-610-2383
22	51	24.2	377	6 US-10-258-899A-1683
23	51	24.2	406	6 US-10-258-899A-3651
24	51	24.2	6	US-10-679-065-10187
25	51	24.2	641	6 US-10-322-281-361
26	51	1356	7	US-60-487-610-1713

Result No.	Score	Query Match Length	DB ID	Description
1	84	39.8	36	1 PCT-US03-18657-4
2	84	39.8	97	1 Sequence 4, Appl1
3	84	39.8	97	1 Sequence 1, Appl1
4	84	39.8	97	1 Sequence 6, Appl1
5	84	39.8	97	1 Sequence 8, Appl1
6	84	39.8	97	1 Sequence 1, Appl1
7	84	39.8	97	1 Sequence 7, Appl1
8	84	39.8	97	1 Sequence 2, Appl1
9	68	32.2	36	6 US-10-433-803A-2
10	68	32.2	36	6 US-60-430-619-19
11	68	32.2	97	7 US-60-430-619-19
12	66	31.3	6	US-10-433-803A-5
13	63	29.9	34	1 PCT-US03-18657-3
14	63	29.9	36	1 PCT-US03-18657-1
15	63	29.9	178	5 US-09-969-984-16
16	57	27.0	612	7 US-60-478-196-3222
17	55	26.1	188	5 US-09-837-510A-4778
18	53	25.1	537	6 US-10-322-281-322
19	53	25.1	1309	6 US-10-461-862-27
20	53	25.1	1519	6 US-10-461-862-25
21	53	25.1	1745	7 US-60-487-610-2383
22	51	24.2	377	6 US-10-258-899A-1683
23	51	24.2	406	6 US-10-258-899A-3651
24	51	24.2	6	US-10-679-065-10187
25	51	24.2	641	6 US-10-322-281-361
26	51	1356	7	US-60-487-610-1713

LENGTH: 36
TYPE: PRT

ORGANISM: Homo sapiens
US-09-618-361B-1

Query Match 39.8%; Score 84; DB 5; Length 36;
Best Local Similarity 41.9%; Pred. No. 0.0003; Mismatches 8; Indels 0; Gaps 0;

Qy 3 PSQPPWPGDGPVPELIRPFYDNLQQMLNCVT 33
Db 2 PSKDPNPGDAPADMARYSALRHYINLT 32

RESULT 3
PCT-US03-20245-6
Sequence 6, Application PC/TUS03/20245

GENERAL INFORMATION:
APPLICANT: Qian, Su

APPLICANT: Van der Ploeg, Leonardus, H.T.

APPLICANT: Chan, Howard

APPLICANT: Weingarth, Drew T.

APPLICANT: Trumbauer, Myrna

APPLICANT: Metzger, Joseph M.
TITLE OF INVENTION: Agouti-related protein deficient cells,
TITLE OF INVENTION: non-human transgenic animals and methods of selecting
TITLE OF INVENTION: Compounds which regulate energy metabolism

FILE REFERENCE: 21033Y PCT
CURRENT APPLICATION NUMBER: PCT/TUS03/20245

CURRENT FILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: 60/393,391

PRIOR FILING DATE: 2002-07-03
NUMBER OF SEQ ID NOS: 14

SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6

LENGTH: 97
TYPE: PRT
ORGANISM: Mus musculus

Query Match 39.8%; Score 84; DB 1; Length 97;
Best Local Similarity 41.9%; Pred. No. 0.0003; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQPPWPGDGPVPELIRPFYDNLQQMLNCVT 33
Db 30 PSKDPNPGDAPADMARYSALRHYINLT 60

RESULT 4
PCT-US03-20245-8

Sequence 8, Application PC/TUS03/20245
GENERAL INFORMATION:

APPLICANT: Qian, Su
APPLICANT: Van der Ploeg, Leonardus, H.T.

APPLICANT: Chan, Howard

APPLICANT: Weingarth, Drew T.

APPLICANT: Trumbauer, Myrna
TITLE OF INVENTION: Agouti-related protein deficient cells,
TITLE OF INVENTION: non-human transgenic animals and methods of selecting
TITLE OF INVENTION: Compounds which regulate energy metabolism

FILE REFERENCE: 21033Y PCT
CURRENT APPLICATION NUMBER: PCT/TUS03/20245

CURRENT FILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: 60/393,391

NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8

LENGTH: 97
TYPE: PRT
ORGANISM: Homo sapien

PCT-US03-20245-8

Query Match 39.8%; Score 84; DB 1; Length 97;
Best Local Similarity 41.9%; Pred. No. 0.0003; Mismatches 8; Indels 0; Gaps 0;

Qy 3 PSQPPWPGDGPVPELIRPFYDNLQQMLNCVT 33
Db 30 PSKDPNPGDAPADMARYSALRHYINLT 60

RESULT 5
US-10-463-803A-1

Sequence 1, Application US/10463803A
GENERAL INFORMATION:

APPLICANT: Mutter, Manfred
Iacroix, Jean S.

TITLE OF INVENTION: Template Associated NPY Y2-Receptor
ADDRESSEES: Vinson & Elkins LLP
Groumann, Eric

NUMBER OF SEQUENCES: 8
CITY: Washington
STATE: D.C.

COUNTRY: U.S.
ZIP: 20004-0008

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/463,803A
FILING DATE: 18-Jun-2003
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Sanzo, Michael A.
REGISTRATION NUMBER: 36,912
REFERENCE/DOCKET NUMBER: BMR350/48000

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 639-6585
TELEFAX: (202) 639-6604

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 97 amino acids

TYPE: amino acid
STRANDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: Peptide

HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-10-463-803A-1

Query Match 39.8%; Score 84; DB 6; Length 97;
Best Local Similarity 41.9%; Pred. No. 0.0003; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQPPWPGDGPVPELIRPFYDNLQQMLNCVT 33
Db 30 PSKDPNPGDAPADMARYSALRHYINLT 60

RESULT 6
US-10-686-282-7

Sequence 7, Application US/10686282
GENERAL INFORMATION:

APPLICANT: Pfizer Inc.

APPLICANT: Pfizer Limited
APPLICANT: May, Graham Nigel

APPLICANT: Wayman, Christopher Peter

; TITLE OF INVENTION: Compounds for the Treatment of Female Sexual Dysfunction
; FILE REFERENCE: PC10343D
; CURRENT APPLICATION NUMBER: US/10/686,282
; CURRENT FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: US 09/708,392
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: GB 60/175,161
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: GB 9926437.6
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: GB 0004021.2
; PRIOR FILING DATE: 2000-03-18
; PRIOR APPLICATION NUMBER: GB 0013001.3
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 0016563.9
; PRIOR FILING DATE: 2000-07-05
; PRIOR APPLICATION NUMBER: GB 0017141.3
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/192,962
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/217,479
; PRIOR FILING DATE: 2000-07-11
; PRIOR FILING DATE: 2000-07-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-686-282-7

Query Match 39.8%; Score 84; DB 6; Length 97;
Best Local Similarity 41.9%; Pred. No. 0.0003; Mismatches 10; Indels 0; Gaps 0;
Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQPTYRPGPVEDLIRFYNDLQQMLNCVT 33
Db 30 PSKPDNPGRDAAPEDMARRYSLRHYNLLT 60

RESULT 7
US-10-686-349-7
; Sequence 7, Application US/10686349
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Pfizer Limited
; APPLICANT: Maw, Graham Nigel
; APPLICANT: Wayman, Christopher Peter
; TITLE OF INVENTION: Compounds for the Treatment of Female Sexual Dysfunction
; CURRENT APPLICATION NUMBER: US/10/686,349
; CURRENT FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: US 09/708,392
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: GB 60/175,161
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: GB 9926437.6
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: GB 0004021.2
; PRIOR FILING DATE: 2000-02-19
; PRIOR APPLICATION NUMBER: GB 0013001.3
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 0016563.9
; PRIOR FILING DATE: 2000-07-05
; PRIOR APPLICATION NUMBER: GB 0017141.3
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/192,962
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/217,479
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: US 60/221,014

Query Match 39.8%; Score 84; DB 6; Length 97;
Best Local Similarity 41.9%; Pred. No. 0.0003; Mismatches 10; Indels 0; Gaps 0;
Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQPTYRPGPVEDLIRFYNDLQQMLNCVT 33
Db 30 PSKPDNPGRDAAPEDMARRYSLRHYNLLT 60

RESULT 8
PC/US03-18657-2
; Sequence 2, Application PC/US0318657
; GENERAL INFORMATION:
; APPLICANT: Amgen Pharmaceuticals, Inc.
; TITLE OF INVENTION: Prevention and/or Treatment of Inflammatory Bowel Disease Using FILR Reference: 5,061,810.WO00
; CURRENT APPLICATION NUMBER: PCT/US03/18657
; PRIOR APPLICATION NUMBER: 60/388,930
; PRIOR FILING DATE: 2003-06-13
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 2
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Peptide YY (PYY)
; PCT-US03-18657-2

Query Match 32.2%; Score 68; DB 1; Length 36;
Best Local Similarity 41.9%; Pred. No. 0.015; Mismatches 11; Indels 0; Gaps 0;
Matches 13; Conservative 7; Mismatches 11; Indels 0; Gaps 0;

Qy 3 PSQPTYRPGPVEDLIRFYNDLQQMLNCVT 33
Db 2 PIKPEAPGEGDASPEELNRYIASRLHYNLLT 32

RESULT 9
US-10-463-803A-2
; Sequence 2, Application US/10463803A
; GENERAL INFORMATION:
; APPLICANT: Mutter, Manfred
; Lacroix, Jean S.
; Groumann, Eric
; TITLE OF INVENTION: Template Associated NPY Y2-Receptor
; AGONISTS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Vinson & Elkins LLP
; STREET: 1455 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.
; ZIP: 20004-1008
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/463, 803A
 FILING DATE: 18-Jun-2003
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Sanzo, Michael A.
 REGISTRATION NUMBER: 36,912
 REFERENCE/DOCKET NUMBER: BMR350/48000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202)639-6585
 TELEFAX: (202)639-6604

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 36 amino acids
 TYPE: amino acid
 STRANDBEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULAR TYPE: peptide
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-10-463-803A-2

Query Match 32.2%; Score 68; DB 6; Length 36;
 Best Local Similarity 41.9%; Pred. No. 0.015; Mismatches 13; Conservative 7; Indels 0; Gaps 0;

Qy 3 PSQPTYPGDGPVEDLIRFYDNLQWLNCTV 33
 Db 2 PIKEPARGEDASPERLNRYASLRHYLNLT 32

RESULT 10

US-60-500-613-19

; Sequence 19, Application US/60500613

GENERAL INFORMATION:

APPLICANT: Immonen, Tiina
 APPLICANT: Sariola, Hannu
 APPLICANT: Saarma, Mart
 APPLICANT: Alakuijala, Annina
 APPLICANT: Pasterнак, Michael
 APPLICANT: Roos, Christophe
 TITLE OF INVENTION: GNP-RELATED NEUROPEPTIDES
 FILE REFERENCE: LCTD-005

CURRENT APPLICATION NUMBER: US/10/500,613
 CURRENT FILING DATE: 2003-09-05
 NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn, version 3.2
 SEQ ID NO: 19
 LENGTH: 36

TYPE: PRT
 ORGANISM: Homo sapiens

US-60-500-613-19

Query Match 32.2%; Score 68; DB 7; Length 36;
 Best Local Similarity 41.9%; Pred. No. 0.015; Mismatches 13; Conservative 7; Indels 0; Gaps 0;

Qy 3 PSQPTYPGDGPVEDLIRFYDNLQWLNCTV 33
 Db 2 PIKEPARGEDASPERLNRYASLRHYLNLT 32

RESULT 11

US-60-490-890-1250

; Sequence 1250, Application US/60490890.

GENERAL INFORMATION:

APPLICANT: Li, Martha
 APPLICANT: Rupnow, Brent A.
 APPLICANT: Webster, Kevin R.
 APPLICANT: Jackson, Donald
 APPLICANT: Wong, Tai W.
 TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION

FILE REFERENCE: D0310 PSP
 CURRENT APPLICATION NUMBER: US/60/490, 890
 CURRENT FILING DATE: 2003-07-29
 NUMBER OF SEQ ID NOS: 2779
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 1250
 LENGTH: 97
 TYPE: PRT
 ORGANISM: Homo sapiens

US-60-490-890-1250

Query Match 31.3%; Score 66; DB 6; Length 24;
 Best Local Similarity 47.8%; Pred. No. 0.018; Mismatches 11; Conservative 4; Indels 0; Gaps 0;

Qy 3 PSQPTYPGDGPVEDLIRFYDNL 25
 Db 2 PSKPNPFGDGPDAEPMARYSAL 24

US-10-463-803A-5

Query Match 32.2%; Score 68; DB 7; Length 97;
 Best Local Similarity 41.9%; Pred. No. 0.044; Mismatches 13; Conservative 7; Indels 0; Gaps 0;

Qy 3 PSQPTYPGDGPVEDLIRFYDNLQWLNCTV 33
 Db 30 PIKEPARGEDASPERLNRYASLRHYLNLT 60

RESULT 12

US-10-463-803A-5

; Sequence 5, Application US/10463803A

GENERAL INFORMATION:

APPLICANT: Mutter, Manfred
 Lacroix, Jean S.
 Grouzmann, Eric

TITLE OF INVENTION: Tempamine Associated NPY Y2-Receptor Agonists

NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Vibion & Elkins LLP
 STREET: 1455 Pennsylvania Avenue, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.
 ZIP: 20004-1008

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/463, 803A
 FILING DATE: 18-Jun-2003
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Sanzo, Michael A.
 REGISTRATION NUMBER: 36,912
 REFERENCE/DOCKET NUMBER: BMR350/48000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202)639-6585
 TELEFAX: (202)639-6604

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
 LENGTH: 24 amino acids
 TYPE: amino acid
 STRANDBEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULAR TYPE: peptide
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-10-463-803A-5

Query Match 31.3%; Score 66; DB 6; Length 24;
 Best Local Similarity 47.8%; Pred. No. 0.018; Mismatches 11; Conservative 4; Indels 0; Gaps 0;

RESULT 13
PCT-US03-18657-3
; Sequence 3, Application PC/TUS0318657
; GENERAL INFORMATION:
; APPLICANT: AMYLIN Pharmaceuticals, Inc.
; TITLE OF INVENTION: Prevention and/or Treatment of Inflammatory Bowel Disease Using
; TITLE OF INVENTION: PYY or Agonists Thereof
; FILE REFERENCE: 54061_8101.WOO
; CURRENT APPLICATION NUMBER: PCT/US03/18657
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: 60/388,930
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 34
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE^B
; OTHER INFORMATION: Peptide YY[3-36]
PCT-US03-18657-3

RESULT 14
Query Match 29.9%; Score 63; DB 1; Length 34;
Best Local Similarity 41.4%; Pred. No. 0.068; Matches 12; Conservative 7; Mismatches 10; Indels 0; Gaps 0;
QY 5 QOPTPGDPGPVVEDLIRFYDNLQQWLNCT 33
Db 2 KPEAEGEDASPEELNRYVASIRHVLNT 30

RESULT 14
PCT-US03-18657-1
; Sequence 1, Application PC/TUS0318657
; GENERAL INFORMATION:
; APPLICANT: Amylin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Prevention and/or Treatment of Inflammatory Bowel Disease Using
; TITLE OF INVENTION: PYY or Agonists Thereof
; FILE REFERENCE: 54061_8101.WOO
; CURRENT APPLICATION NUMBER: PCT/US03/18657
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: 60/388,930
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE^B
; OTHER INFORMATION: Pancreatic polypeptide (PP)
PCT-US03-18657-1

Query Match 29.9%; Score 63; DB 5; Length 178;
Best Local Similarity 32.3%; Pred. No. 0.41; Matches 10; Conservative 10; Mismatches 11; Indels 0; Gaps 0;
QY 3 PSOPTPGDPGPVVEDLIRFYDNLQQWLNCT 33
Do 31 PLRVVYRDNATPEQMAQYAADIRRVNMLT 61

Search completed: December 17, 2003, 16:31:36
Job time : 21 sec8

RESULT 15
Query Match 29.9%; Score 63; DB 1; Length 36;
Best Local Similarity 32.3%; Pred. No. 0.072; Matches 10; Conservative 10; Mismatches 11; Indels 0; Gaps 0;
QY 3 PSOPTPGDPGPVVEDLIRFYDNLQQWLNCT 33
Db 2 PLRVVYRDNATPEQMAQYAADIRRVNMLT 32

RESULT 15
US-09-969-984-16
; Sequence 16, Application US/09969984
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: TANG, Y. Tom
; APPLICANT: HUB, Henry Tom
; APPLICANT: LALU, Preeti

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On protein - protein search, using sw model
Run on: December 17, 2003, 16:31:41 ; Search time 21 Seconds
(without alignments)

Title: US-10-027-038-11
Perfect score: 211
Sequence: 1 MCPSQPTWPGDPGPVEDLIRFYDNQQLQWLNCTAAC 36
Scoring table: BLOSUM62

Searched: Gapext 10.0 , Gapext 0.5
Searched: 283308 seqs, 9616682 residues

Total number of hits satisfying chosen parameters: 283308

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : PIR_76.*
1: PIR2.*
2: PIR2.*
3: PIR2.*
4: PIR4.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB ID	Description
1	143	67.8	36	2	A28578 pancreatic hormone
2	137	64.9	80	1	PCCH pancreatic hormone
3	125	59.2	36	1	PCAQ pancreatic hormone
4	119	56.4	36	1	PGGS pancreatic hormone
5	90	42.7	36	2	S07052 neuropeptide Y - S
6	86	40.8	36	1	NYFGY neuropeptide Y - P
7	84	39.8	36	2	A30485 neuropeptide Y - R
8	84	39.8	36	2	B330485 neuropeptide Y - G
9	84	39.8	97	1	NYHUY neuropeptide Y pre
10	84	39.8	97	2	A41979 neuropeptide Y pre
11	84	39.8	98	2	A29516 neuropeptide Y pre
12	82	38.9	92	2	C41979 neuropeptide Y pre
13	81	38.4	36	2	A488540 neuropeptide Y - C
14	81	38.4	36	2	A39393 neuropeptide Y - I
15	81	38.4	97	2	JC1460 neuropeptide Y pre
16	75	35.5	96	1	B41979 pancreatic peptide
17	72	34.1	36	1	PGXKA pancreatic peptide
18	72	34.1	36	1	PCDYY pancreatic peptide
19	72	34.1	36	2	A49743 pancreatic peptide
20	72	34.1	36	2	A60416 peptide YY - dog
21	72	34.1	36	2	A60416 peptide YY precursor
22	72	34.1	98	2	A293684 peptide YY precursor
23	72	34.1	104	2	I508084 pancreatic hormone
24	71	33.6	36	1	PCFG pancreatic peptide
25	71	33.6	36	2	A26377 pancreatic hormone
26	70	33.2	36	2	A28091 pancreatic hormone
27	70	33.2	36	2	S27054 neuropeptide Y - A
28	68	32.2	36	2	A31356 peptide YY - human
29	68	32.2	90	2	S34569 peptide YY precursor
30	68	32.2	31	2	A55914 peptide YY (clone)
31	68	32.2	32	2	S33795 pancreatic hormone
32	68	32.2	33	2	JQ0395 pancreatic hormone
33	64	29.9	36	1	A61132 pancreatic hormone
34	63	29.9	35	1	D61132 pancreatic hormone
35	63	29.9	36	1	PCRG pancreatic hormone
36	63	29.9	36	1	PCDG pancreatic hormone
37	63	29.9	38	1	PCHU pancreatic hormone
38	63	29.9	39	1	PCBO pancreatic hormone
39	63	29.9	40	1	C61132 pancreatic hormone
40	62	29.4	41	2	S26554 peptide YY-related peptide
41	62	29.4	42	1	PCTT pancreatic hormone
42	62	29.4	43	1	PCBO pancreatic hormone
43	61	28.9	44	2	B28261 pancreatic hormone
44	61	28.9	45	2	B60413 pancreatic hormone

ALIGNMENTS

RESULT 1
A28578
pancreatic hormone - ostrich
N;Alternate name: pancreatic polypeptide
C;Species: Struthio camelus (ostrich)
C;Date: 19-Nov-1988 #sequence_revision 19-Nov-1988 #text_change 12-Apr-1995
R;Listtherer, D.; Olofsson, W.
Int. J. Pept. Protein Res. 29, 739-745, 1987

A;Title: Purification and primary structure of ostrich pancreatic polypeptide.
A;Reference number: A28578; MUID:8730711; PMID:3623804
A;Accession: A28578
A;Molecule type: protein
A;Residues: 1-36 <LIT>
A;Superfamily: pancreatic hormone
C;Note: the sequence of residues 22-23 was reported as Asn-Asp in Fig. 7 and as Asp-Asn

Query Match Similarity 67.8%; Score 143; DB 2; Length 36;
Matches 25; Conservative 80.6%; 3; Mismatches 3; Indels 0; Gaps 0;

Query : 3 PSQPRTPGPGPVPLIRYDNQQLQVCT 33
Db : 2 PAQTPYGPDAVPDSLVRFLQYLNVT 32
RESULT 2
PCCH
pancreatic hormone precursor - chicken
N;Alternate name: pancreatic polypeptide precursor
N;Contains: pancreatic hormone
C;Species: Gallus gallus (chicken)

C;Date: 24-Apr-1984 #sequence_revision 03-Feb-1994 #text_change 16-Jun-2000
C;Accession: JN0776; A38892; A01575
R;Nata, K.; Sugimoto, T.; Kohri, K.; Hidaka, H.; Yamamoto, H.; Yonekura, H.
Gene 130, 183-189, 1993

A;Title: Structure determination and evolution of the chicken cDNA and gene encoding pre-A;Reference number: JN0776; MUID:93366173; PMID:8356685
A;Accession: JN0776
A;Molecule type: DNA
A;Residues: 1-80 <DNA>
A;Molecule type: DNA
A;Residues: 1-80 <NAT>
A;Cross-references: DDBJ:DJ3761; NID:9391633; PID:BA02907.1; PID:9391634
A;Cross-references: A38892
A;Molecule type: mRNA
A;Residues: 1-80 <mRNA>
A;Cross-references: GB:D13760; NID:9391645; PID:BA02906.1; PID:9391646
R;Kimmel, J.R.; Hayden, L.J.; Pollock, H.G.
J. Biol. Chem. 250, 9369-9376, 1975
A;Title: Isolation and characterization of a new pancreatic polypeptide hormone.
A;Reference number: A01575; MUID:7609270; PMID:1194289
A;Accession: A01575
A;Molecule type: protein

A;Residues: 26-46, 'DN', 49-61 <KIM>
 C;Comment: This protein acts as a regulator of pancreatic and gastrointestinal functions
 C;Genetics:
 A;Gene: PPP
 A;Introns: 60/2
 C;Superfamily: pancreatic hormone
 C;Keywords: amidated carboxyl end; hormone; pancreas
 F;1-25/Domain: signal sequence #status predicted <SIG>
 P;26-61/Product: pancreatic hormone #status experimental <PCH>
 P;61/Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly)
 Query Match 64.9%; Score 137; DB 1; Length 80;
 Best Local Similarity 80.6%; Pred. No. 8e-11; Mismatches 3; Indels 0; Gaps 0;
 Matches 25; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
 Qy 3 PSQPTVPGDPGVEDLIRFPDNLQQMLNCVT 33
 Db 27 PSQPTVPGDPGVEDLIRFPDNLQQMLNCVT 57

RESULT 3

PCAQ
 pancreatic hormone - American alligator
 N;Alternate names: pancreatic polypeptide
 C;Species: Alligator mississippiensis (American alligator)
 C;Date: 30-Jun-1987 #sequence_revision 30-Jun-1987 #text_change 08-Dec-1995
 C;Accession: A01577; S09341
 R;Glover, I.D.; Barlow, D.J.; Pitts, J.B.; Wood, S.P.; Tickle, I.J.; Blundell, T.L.; Tat
 Bur, J. Biochem. 142, 379-385, 1984
 A;Title: Conformational studies on the Pancreatic polypeptide hormone family.
 A;Reference number: A01577; MUID:84261570; PMID:6745282
 A;Accession: A01577
 A;Molecule type: protein
 A;Residues: 1-35 <GL>
 R;Lance, V.; Hamilton, J.W.; Rouse, J.B.; Kimmel, J.R.; Pollock, H.G.
 Gen. Comp. Endocrinol. 55, 112-124, 1984
 A;Title: Isolation and characterization of reptilian insulin, glucagon, and pancreatic
 peptide.
 A;Reference number: S07210; MUID:84262419; PMID:6146554
 A;Accession: S03341
 A;Molecule type: protein
 A;Residues: 1-21, 'N', 23-35 <LAN>
 C;Superfamily: pancreatic hormone
 C;Keywords: amidated carboxyl end; hormone; pancreas
 P;1-36/Product: pancreatic hormone #status experimental <PCH>
 P;36/Modified site: amidated carboxyl end (Phe) #status experimental

Query Match 59.2%; Score 125; DB 1; Length 36;
 Best Local Similarity 74.2%; Pred. No. 1.2e-09; Mismatches 5; Indels 0; Gaps 0;
 Matches 23; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 3 PSQPTVPGDPGVEDLIRFPDNLQQMLNCVT 33
 Db 27 PSQPTVPGDPGVEDLIRFPDNLQQMLNCVT 32

RESULT 4

PCGS
 pancreatic hormone - goose
 N;Alternate names: pancreatic polypeptide
 C;Species: Anser anser (domestic goose)
 C;Date: 30-Jun-1987 #sequence_revision 30-Jun-1987 #text_change 08-Dec-1995
 C;Accession: A01576; JC0056
 R;Glover, I.D.; Pitts, J.B.; Wood, S.P.; Tickle, I.J.; Blundell, T.L.; Tat
 Bur, J. Biochem. 142, 379-385, 1984
 A;Title: Conformational studies on the pancreatic polypeptide hormone family.
 A;Reference number: A01577; MUID:84261570; PMID:6745282
 A;Molecule type: protein
 A;Residues: 1-36 <GL>
 R;Xu, Y.; Lin, N.; Zhang, Y.
 Sci. Sin. B Chem. Biol. Agric. Med. Earth Sci. 27, 590-592, 1984
 A;Title: Isolation and sequence determination of goose pancreatic polypeptide.

A;Reference number: A94237
 A;Accession: JC0006
 A;Molecule type: protein
 A;Residues: 1-36 <KIM>
 A;Note: 30-Asn was also found
 C;Superfamily: pancreatic hormone
 C;Keywords: amidated carboxyl end; hormone; pancreas
 F;1-36/Product: pancreatic hormone #status experimental <PCH>
 P;36/Modified site: amidated carboxyl end (Tyr) #status experimental

Query Match 56.4%; Score 119; DB 1; Length 36;
 Best Local Similarity 80.8%; Pred. No. 7.3e-09; Mismatches 3; Indels 0; Gaps 0;
 Matches 21; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 Qy 3 PSQPTVPGDPGVEDLIRFPDNLQQMLNCVT 33
 Db 2 PSQPTVPGDPGVEDLIRFPDNLQQMLNCVT 27

RESULT 5

S07052
 neuropeptide Y - sheep
 C;Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
 C;Date: 30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 06-Dec-1995
 C;Accession: S07052
 R;Sillard, R.; Agerberth, B.; Mutt, V.; Joenvall, H.
 FEBS Lett. 258, 263-265, 1989
 A;Title: Sheep neuropeptide Y. A third structural type of a highly conserved peptide.
 A;Reference number: S07052; MUID:8009485; PMID:2599052
 A;Accession: S07052
 A;Molecule type: protein
 A;Residues: 1-36 <SLI>
 C;Function:
 C;Description: neuropeptide inducing a number of behavioral effects including stimulatory
 C;Superfamily: pancreatic hormone
 C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide
 P;1-36/Product: neuropeptide Y #status experimental <MAT>
 P;36/Modified site: amidated carboxyl end (Tyr) #status experimental

Query Match 42.7%; Score 90; DB 2; Length 36;
 Best Local Similarity 48.4%; Pred. No. 4.2e-05; Mismatches 10; Indels 0; Gaps 0;
 Matches 15; Conservative 6; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQPTVPGDPGVEDLIRFPDNLQQMLNCVT 33
 Db 2 PSQPTVPGDPGVEDLIRFPDNLQQMLNCVT 32

RESULT 6

NIPY
 neuropeptide Y - pig
 C;Species: Sus scrofa domesticus (domestic pig)
 C;Date: 17-Dec-1982 #sequence_revision 17-Dec-1982 #text_change 06-Dec-1995
 C;Accession: A01573
 R;Tatemoto, K.
 Proc. Natl. Acad. Sci. U.S.A. 79, 5485-5489, 1982
 A;Title: Neuropeptide Y: complete amino acid sequence of the brain peptide.
 A;Reference number: A01573; MUID:83039395; PMID:6957876
 A;Accession: A01573
 A;Molecule type: protein
 A;Residues: 1-36 <TAT>
 A;Note: this peptide was isolated from brain (without cerebellum and pituitary) but has
 C;Function:
 A;Description: neuropeptide inducing a number of behavioral effects including stimulatory
 C;Superfamily: pancreatic hormone
 C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide
 P;1-36/Product: neuropeptide Y #status experimental <MAT>
 P;36/Modified site: amidated carboxyl end (Tyr) #status experimental

Query Match 40.8%; Score 86; DB 1; Length 36;
 Best Local Similarity 45.2%; Pred. No. 0.00014; Mismatches 10; Indels 0; Gaps 0;

Qr 3 PSQPTVPGDGPVVEDLIRFVNLDQOMNVCY 33
A;Residues: A30485
Db ||| : | | | : | | : :: | : |||
P RPKPDNPGEADABDLARYSALRHYNLLIT 32

RESULT 7

neuropeptide Y - rabbit
C;Species: Oryctolagus cuniculus (domestic rabbit)

C;Date: 28-Feb-1992 #sequence_revision 28-Feb-1992 #text_change 06-Dec-1996

C;Accession: A30485
R;O'Hare, M.M.T.; Tammoto, S.; Aakerlund, L.; Hilsted, L.; Johnsen, A.; Schwartz, T.W.

A;Title: Neuropeptide Y in guinea pig, rabbit, rat and man. Identical amino acid sequence

A;Accession: JU0415, MUID:88218273; PMID:3368580

A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-36 <OH>

C;Function:
A;Description: neuropeptide inducing a number of behavioral effects including stimulatory

C;Superfamily: pancreatic hormone
C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-36/Product: neuropeptide Y #status experimental <MAT>
C;Modified site: amidated carboxyl end (Tyr) #status experimental

Query Match 39.8%; Score 84; DB 2; Length 36;
Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qr 3 PSQPTVPGDGPVVEDLIRFVNLDQOMNVCY 33
Db ||| : | | | : | | : :: | : |||
P PSKPKDNPGEDADBAEDMARYSALRHYNLLIT 32

RESULT 8

neuropeptide Y - guinea pig
C;Species: Cavia porcellus (guinea pig)

C;Date: 28-Feb-1992 #sequence_revision 28-Feb-1992 #text_change 06-Dec-1996

C;Accession: B30485
R;O'Hare, M.M.T.; Tammoto, S.; Aakerlund, L.; Hilsted, L.; Johnsen, A.; Schwartz, T.W.

A;Title: Neuropeptide Y in guinea pig, rabbit, rat and man. Identical amino acid sequence

A;Accession: JT0415, MUID:88218273; PMID:3368580

A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-36 <OH>

C;Function:
A;Description: neuropeptide inducing a number of behavioral effects including stimulatory

C;Superfamily: pancreatic hormone
C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-36/Product: neuropeptide Y #status predicted <MAT>
C;Modified site: amidated carboxyl end (Tyr) #status predicted

Query Match 39.8%; Score 84; DB 2; Length 36;
Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qr 3 PSQPTVPGDGPVVEDLIRFVNLDQOMNVCY 33
Db ||| : | | | : | | : :: | : |||
P PSKPKDNPGEDADBAEDMARYSALRHYNLLIT 32

RESULT 9

neuropeptide Y precursor - human
C;Alternate names: neuropeptide tyrosine
C;Species: Homo sapiens (man)

C;Date: 15-Nov-1984 #sequence_revision 15-Nov-1984 #text_change 18-Jun-1999
C;Accession: A05196; A05172; 155543
R;Minth, C.D.; Andrews, P.C.; Dixon, J.B.

Qr 3 PSQPTVPGDGPVVEDLIRFVNLDQOMNVCY 33
Db ||| : | | | : | | : :: | : |||
P PSKPKDNPGEDADBAEDMARYSALRHYNLLIT 32

RESULT 10

neuropeptide Y precursor - chicken
C;Species: Gallus gallus (chicken)

C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 21-Jul-2000

C;Accession: A41979
R;Blomqvist, A.G.; Soderberg, C.; Lundell, I.; Milner, R.J.; Larhammar, D.
Proc. Natl. Acad. Sci. U.S.A. 89, 2350-2354, 1992

A;Title: Strong evolutionary conservation of neuropeptide Y: sequences of chicken, goldf

A;Reference number: A41979; MUID:92196116; PMID:1549597

A;Accession: A41979
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-97 <BL0>

A;Cross-references: GB:M87294; NID:G212458; PID:AAA48991_1; PID:G212459
A;Experimental source: central nervous system (NCBIP:88404)

C;Function:
A;Description: neuropeptide inducing a number of behavioral effects including stimulatory

C;Superfamily: pancreatic hormone
C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-28/Domain: signal sequence #status predicted <SIG>
P;29-64/Product: neuropeptide Y #status predicted <CTP>
P;65-97/Domain: carboxyl-terminal propeptide and neuropeptide

P;64/Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly

Query Match 39.8%; Score 84; DB 1; Length 97;
Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qr 3 PSQPTVPGDGPVVEDLIRFVNLDQOMNVCY 33
Db ||| : | | | : | | : :: | : |||
P PSKPKDNPGEDADBAEDMARYSALRHYNLLIT 60

J. Biol. Chem. 261, 11974-11979, 1986
A;Title: Characterization, sequence, and expression of the cloned human neuropeptide Y c

R;Minth, C.D.; Bloom, S.R.; Polak, J.M.; Dixon, J.E.
Proc. Natl. Acad. Sci. U.S.A. 81, 4577-4581, 1984

A;Title: Cloning, characterization, and DNA sequence of a human cDNA encoding neuropepti

A;Reference number: A01572; MUID:8427878; PMID:6589611

A;Accession: A01572
A;Residues: 1-97 <MIN>
A;Molecule type: mRNA

A;Cross-references: GB:M14295
R;Takeuchi, T.; Gumiuc, D.L.; Yamada, T.; Meisler, M.H.; Mintn, C.D.; Dixon, J.E.; Eddy

J. Clin. Invest. 77, 1038-1041, 1986

A;Title: Genes encoding pancreatic polypeptide and neuropeptide Y are on human chromosome 11

A;Accession: 155543; MUID:86140715; PMID:3753985

A;Status: preliminary; translated from GB/EMBL/DDBJ

A;Map position: 7pter-7q22

A;Residues: 1-97 <RRS>
A;Cross-references: GB:M15789; NID:G189281; PID:AA59946_1; PID:G189282

C;Genetic:

A;Gene: GDB:NPY

A;Cross-references: GDB:119456; OMIM:162640

A;Map position: 7pter-7q22

A;Introns: 63/2; 90/2

A;Note: the first intron occurs before the initiator codon

C;Function:
A;Description: neuropeptide inducing a number of behavioral effects including stimulatory

C;Superfamily: pancreatic hormone
C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-28/Domain: signal sequence #status experimental <SIG>

P;29-64/Product: neuropeptide Y #status predicted <CTP>

P;65-97/Domain: carboxyl-terminal propeptide and neuropeptide

P;64/Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly

Query Match 39.8%; Score 84; DB 1; Length 97;
Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qr 3 PSQPTVPGDGPVVEDLIRFVNLDQOMNVCY 33
Db ||| : | | | : | | : :: | : |||
P PSKPKDNPGEDADBAEDMARYSALRHYNLLIT 60

RESULT 11

neuropeptide Y precursor - chicken
C;Species: Gallus gallus (chicken)

C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 21-Jul-2000

C;Accession: A41979
R;Blomqvist, A.G.; Soderberg, C.; Lundell, I.; Milner, R.J.; Larhammar, D.
Proc. Natl. Acad. Sci. U.S.A. 89, 2350-2354, 1992

A;Title: Strong evolutionary conservation of neuropeptide Y: sequences of chicken, goldf

A;Reference number: A41979; MUID:92196116; PMID:1549597

A;Accession: A41979
A;Status: preliminary
A;Molecule type: mRNA

A;Residues: 1-97 <BL0>

A;Cross-references: GB:M87294; NID:G212458; PID:AAA48991_1; PID:G212459

A;Experimental source: central nervous system (NCBIP:88404)

C;Function:
A;Description: neuropeptide inducing a number of behavioral effects including stimulatory

C;Superfamily: pancreatic hormone
C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-28/Domain: signal sequence #status predicted <SIG>

P;29-64/Product: neuropeptide Y #status predicted <CTP>

P;65-97/Domain: carboxyl-terminal propeptide and neuropeptide

P;64/Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly

Query Match 39.8%; Score 84; DB 1; Length 97;
Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qr 3 PSQPTVPGDGPVVEDLIRFVNLDQOMNVCY 33
Db ||| : | | | : | | : :: | : |||
P PSKPKDNPGEDADBAEDMARYSALRHYNLLIT 60

P;64/Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly)

Query Match 39.8%; Score 84; DB 2; Length 97;
Best Local Similarity 41.9%; Pred. No. 0.00076; No. Mismatches 8; Indels 0; Gaps 0;

Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Query 3 PSQPTVPGDPGVEDLIRPYDNLQWLNCT 33
Db 30 PSKPDPSGDAAPEDMARYSALRHYNLT 60

RESULT 11

A25916 neuropeptide Y precursor - rat

C;Species: Rattus norvegicus (Norway rat)

C;Date: 16-Aug-1988 #sequence_revision 16-Aug-1988 #text_change 16-Jul-1999

C;Accession: A25651; R: A25916; R2: A2857; A3086

R;Larhammar, D.; Ericsson, A.; Persson, H.

Proc. Natl. Acad. Sci. U.S.A. 84, 2068-2072, 1987

A;Title: Structure and expression of the rat neuropeptide Y gene.

A;Reference number: A27651; MUID:87175615; PMID:3031663

A;Accession: A27651

A;Molecule type: DNA

A;Residues: 1-98 <LRR>

A;Cross-references: GB: M15793; NID:9205759; PMID:AAA41723.1; PID:9205761.

R;Allen, J.; Novotny, J.; Martin, J.; Heinrich, G.

Proc. Natl. Acad. Sci. U.S.A. 84, 2532-2536, 1987

A;Title: Molecular structure of mammalian neuropeptide Y: analysis by molecular cloning

A;Reference number: A25916; MUID:87175708; PMID:3031687

A;Accession: A25916

A;Molecule type: mRNA

A;Residues: 1-98 <ALN>

A;Cross-references: GB: M15880; NID:9205756; PMID:AAA41722.1; PID:9205757

R;Higuchi, H.; Yang, H.Y.T.; Sabol, S.L.

J. Biol. Chem. 263, 6288-6295, 1988

A;Title: Rat neuropeptide Y precursor gene expression. mRNA structure, tissue distribution

A;Reference number: A26657; MUID:88198174; PMID:2834371

A;Accession: A26657

A;Molecule type: mRNA

A;Residues: 1-98 <HIG>

R;Corder, R.; Gaillard, R.C.; Boehlen, P.

Regul. Pept. 21, 253-261, 1988

A;Title: Isolation and sequence of rat peptide YY and neuropeptide Y.

A;Reference number: JT0416; MUID:88321122; PMID:3413293

A;Accession: A2046

A;Status: preliminary

A;Molecule type: protein

A;Residues: 30-65 <COR>

C;Function:

A;Description: neuropeptide inducing a number of behavioral effects including stimulatory

C;Superfamily: pancreatic hormone

C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-29/Domain: signal sequence #status predicted <BIG>

P;30-65/Product: neuropeptide Y #status experimental <MAT>

P;66-98/Domain: carboxyl-terminal propeptide #status predicted <CTP>

P;65/Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly)

Query Match 39.8%; Score 84; DB 2; Length 98;
Best Local Similarity 41.9%; Pred. No. 0.00077; No. Mismatches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Query 3 PSQPTVPGDPGVEDLIRPYDNLQWLNCT 33
Db 31 PSKPDPSGDAAPEDMARYSALRHYNLT 61

RESULT 12

C41979 neuropeptide Y precursor - marbled electric ray

C;Species: Torpedo marmorata (marbled electric ray)

C;Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 16-Jul-1999

C;Accession: C41979

R;Blomqvist, A.G.; Soderberg, C.; Lundell, I.; Milner, R.J.; Larhammar, D.

Proc. Natl. Acad. Sci. U.S.A. 89, 2350-2354, 1992

A;Title: Strong evolutionary conservation of neuropeptide Y: sequences of chicken, goldf

A;Reference number: A41979; MUID:92196116; PMID:1549597

A;Accession: C41979

A;Status: preliminary; not compared with conceptual translation

A;Molecule type: nucleic acid

A;Cross-references: GB:M87296; NID:9213238; PMID:AAA49281.1; PID:9213239

A;Experimental source: central nervous system

A;Sequence extracted from NCBI backbone (NCBIP:88402)

C;Function:

A;Description: neuropeptide inducing a number of behavioral effects including stimulatio

C;Superfamily: pancreatic hormone

C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-28/Domain: signal sequence #status predicted <SGC>

P;29-64/Product: neuropeptide Y #status predicted <MMT>

P;65-98/Domain: carboxyl-terminal propeptide #status predicted <CTP>

P;64/Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly)

Query Match 38.9%; Score 82; DB 2; Length 98;
Best Local Similarity 41.9%; Pred. No. 0.0014; No. Mismatches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Query 3 PSQPTVPGDPGVEDLIRPYDNLQWLNCT 33
Db 30 PSKPDPSGDAAPEDLAKYYSALRHYNLT 60

RESULT 13

A48540 neuropeptide Y - common frog

C;Species: Rana temporaria (common frog)

C;Date: 19-Nov-1993 #sequence_revision 18-Nov-1994 #text_change 06-Dec-1996

C;Accession: A48540

R;McKay, D.M.; Shaw, C.; Halton, D.W.; Thin, L.; Buchanan, K.D.

Regul. Pept. 37, 143-153, 1992

A;Title: The primary structure and tissue distribution of an amphibian neuropeptide Y.

A;Reference number: A48540; MUID:92169199; PMID:153911

A;Status: preliminary

A;Molecule type: protein

A;Residues: 1-36 <CKK>

A;Experimental source: brain

C;Function:

A;Description: sequence extracted from NCBI backbone (NCBIP:86111)

C;Superfamily: pancreatic hormone

C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-36/Product: neuropeptide Y #status experimental <MAT>

P;36/Modified site: amidated carboxyl end (Tyr) #status experimental

Query Match 38.4%; Score 81; DB 2; Length 36;
Best Local Similarity 38.7%; Pred. No. 0.00063; No. Mismatches 12; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

Query 3 PSQPTVPGDPGVEDLIRPYDNLQWLNCT 33
Db 2 PSKPDPSGDAAPEDMAKYYSALRHYNLT 32

RESULT 14

A39393 neuropeptide Y - laughing frog

N/Alternate names: melanostatin; melanotropin release-inhibiting factor

C;Species: Rana ridibunda (laughing frog)

C;Accession: A39393

C;Date: 28-Feb-1992 #sequence_revision 28-Feb-1992 #text_change 06-Dec-1996

R;Charrel, N.; Conlon, J.M.; Danger, J.M.; Fournier, A.; Tonon, M.C.; Vaudry, H.

Proc. Natl. Acad. Sci. U.S.A. 88, 3862-3866, 1991

A;Title: Characterization of melanotropin-release-inhibiting factor (melanostatin) from

A;Reference number: A39393; MUID:9219472; PMID:1673794

A;Accession: A39393

A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-35 <C-terminal>
C;Superfamily: pancreatic hormone
C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide
P;1-35/Modified site: amidated carboxyl end (Tyr) #status experimental
P;35/Modified site: amidated carboxyl end (Tyr) #status experimental

Query Match 38.4%; Score 81; DB 2; Length 36;
Best Local Similarity 38.7%; Pred. No. 0 00063;
Matches 12; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQPTVPGDPGKVEPLIRPYDNLQQMLNCVT 33
Db 2 ||||| :||| :||| :||| :||| :||| :|||
PSKPDNPGEDADPAEDMAKYSALRHYNLIT 32

RESULT 15

JC1460 neuropeptide Y precursor - African clawed frog.

C;Species: Xenopus laevis (African clawed frog)

C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 28-May-1999

C;Accession: JC1460 R;van Riel, M.C.H.M.; Tuinhof, R.; Roubos, E.W.; Martens, G.J.M.

Biochem. Biophys. Res. Commun. 190, 948-951, 1993

A;Title: Cloning and sequence analysis of hypothalamic cDNA encoding Xenopus preproneuro-

A;Reference number: JC1460; PMID:93176204; PMID:8439344

A;Accession: JC1460; PMID:93176204; PMID:8439344

A;Molecule type: mRNA

A;Residues: 1-97 <5'>

A;Cross-references: GB:555577; NID:9265754; PDB:AB25447.1; PID:9265755

C;Function: C;Description: neuropeptide inducing a number of behavioral effects including stimulatory

C;Superfamily: pancreatic hormone C;Keywords: amidated carboxyl end; appetite; hormone; neuropeptide

P;1-28/Domain: signal sequence #status predicted <SIG>

P;29-64/Product: neuropeptide Y #status predicted <MAT>

P;65-97/Domain: carboxyl-terminal propeptide #status predicted <CTP>

P;98-Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly

Query Match 38.4%; Score 81; DB 2; Length 97;
Best Local Similarity 38.7%; Pred. No. 0 00019; Length 97;
Matches 12; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

Qy 3 PSQPTVPGDPGKVEPLIRPYDNLQQMLNCVT 33
Db 2 ||||| :||| :||| :||| :||| :||| :|||
PSKPDNPGEDADPAEDMAKYSALRHYNLIT 60

Search completed: December 17, 2003, 16:35:06
Job time : 21 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 17, 2003, 16:28:00 ; Search time 11 Seconds

(without alignments)
153.906 Million cell updates/sec

Title: US-10-027-038-11

perfect score: 211

Sequence: 1 MCPSOPTYCPDPGPVVEDLIRPYDNLQQWLNCTAAC 36

Scoring table: Biostar62

Gapop 10.0 , Gapext 0.5

Searched: 127863 seqs, 47026705 residues

Total number of hits satisfying chosen parameters: 127863

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Database : SwissProt_41.1*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	143	67	9	PAHO_STRCA
2	137	64	9	PAHO_CHICK
3	130	61	9	PAHO_LARVA
4	125	59	2	PAHO_ALUMI
5	106	50	2	PAHO_ANSHAN
6	90	42	7	PAHO_SHEEP
7	86	40	8	NEUTY_PIG
8	84	39	8	NEUTY_RABBIT
9	84	39	9	NEUTY_CHICK
10	84	39	8	NEUTY_HUMAN
11	84	39	8	NEUTY_MOUSE
12	84	39	8	NPY_MACMU
13	84	39	8	NEUTY_RAT
14	82	38	9	NEUTY_TOMKA
15	81	38	4	NEUTY_RANRI
16	81	38	4	NEUTY_TYRNA
17	81	38	4	NEUTY_XENPLA
18	80	37	9	NEUTY_ICTPU
19	77	36	5	NEUTY_PAROL
20	76	36	0	NEUTY_BRKRE
21	76	36	0	NPY_CYPFLA
22	75	35	5	NEUTY_CARAU
23	74	35	1	PTX_AMICA
24	73	34	1	NEUTY_DICLA
25	72	34	1	NEUTY_ONCML
26	72	34	1	PTX_ISPSP
27	72	34	1	PTX_PIG
28	72	34	1	PTX_MOUSE
29	72	34	1	PTX_RAT
30	72	34	1	NEUTY_LAMPL
31	71	33	6	PAHO_RANTB
32	71	33	6	PTX_ONKEL
33	70	33	2	NEUTY_GADMO

ALIGNMENTS

RESULT 1
PAHO_STRCA
ID PAHO_STRCA STANDARD: PRT; 36 AA.
AC PI1967;
DT 01-OCT-1989 (Rel. 12, Created)
DT 01-OCT-1989 (Rel. 12, Last sequence update)
DT 15-SEP-2003 (Rel. 42, Last annotation update)
DB Pancreatic hormone (Pancreatic polypeptide) (PP).
OS Struthio camelus (Ostrich).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Archosauria; Aves; Palaeognathae; Struthioniformes; Struthionidae; Struthio; Ostrich.
OK NCBI_TaxID=8801;
RN [1]
RP
RX
RA Littauer D., Oelofsen W.;
RT "Purification and primary structure of ostrich pancreatic polypeptide.",
RL Int. J. Pept. Protein Res. 29:739-745 (1987).
CC SEQNCE.
CC MEDLINE=8730711; PubMed=3623804;
CC "Purification and primary structure of ostrich pancreatic polypeptide.",
CC Int. J. Pept. Protein Res. 29:739-745 (1987).
CC ORPANGERHANS AND ACTS AS A REGULATOR OF PANCREATIC AND GASTROINTESTINAL FUNCTIONS.
CC -1- SUBCELLULAR LOCATION: Secreted.
CC -1- SIMILARITY: Belongs to the NPY family.
DR PIR; A28578; A28578.
DR HSSP; P01306; IPIPT.
DR InterPro; IPRO01955; Pancreatic_hormn.
DR Pfam; PF00159; Hormone3; 1.
DR PRINTS; PR00278; PANCHORMONB.
DR SMART; SM00309; PAH; 1.
DR PROSITE; PS00265; PANCREATIC_HORMONE_1; 1.
DR PROSITE; PS55216; PANCREATIC_HORMONE_2; 1.
DR Hormone; Amidation; Pancreas.
PT MOD_RES 36 AMIDATION.
SQ SEQUENCE 36 AA; 4209 MW; 6798FD62494316C CRC64;
Query Match Similarity 67.8%; Score 143; DB 1; Length 36;
Matches 25; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 FSQOPTYCPDPGPVVEDLIRPYDNLQQWLNCTAAC 33
Db 2 PAQOPTYCPDPGPVVEDLIRPYDNLQQWLNCTAAC 32

RESULT 2
PAHO_CHICK
ID PAHO_CHICK STANDARD: PRT; 80 AA.
AC PI0306;
DT 21-JUL-1986 (Rel. 01, Created)
DT 01-FEB-1996 (Rel. 33, Last sequence update)
DT 15-SEP-2003 (Rel. 42, Last annotation update)
DB Pancreatic hormone precursor (Pancreatic polypeptide) (PP).
OS Gallus gallus (Chicken), and
Meleagris gallopavo (Common turkey).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
 OC Archosauvia; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
 OC Gallus.
 NCBI_TaxID=9031, 9103;

[1] RP SOURCE FROM N.A.

RC SPECIES-Chicken; TISSUE-Liver;

RX MEDLINE=93366173; PubMed=8359685,
 RA Nata K., Sugimoto T., Kohri K., Hidaka H., Hattori R., Yamamoto H.,
 RA Yonekura H., Okamoto H.; "Structure determination and evolution of the chicken cDNA and gene
 RT encoding prepropancreatic polypeptide.", Gene 130:183-189(1993).

RL [2]

RX SOURCE OF 26-61.

RX SPECIES-Chicken;

RX MEDLINE=7665270; PubMed=1194289,
 RA Kimmel J.R., Hayden L.J., Pollock H.G.; "Isolation and characterization of a new pancreatic polypeptide
 RT hormone.", J. Biol. Chem. 250:9369-9376(1975).

RL [3]

RN X-RAY CRYSTALLOGRAPHY (1.4 ANGSTROMS).

RC SPECIES-Mallotopavo;

RX MEDLINE=84179397; PubMed=6673760,
 RA Glover I., Maneef I., Pitts J., Woods S., Moss D., Tickle I.,
 RA Blundell T.L.; "Conformational flexibility in a small globular hormone: X-ray
 RT analysis of avian pancreatic polypeptide at 0.98-A resolution.", Biopolymers 22:293-304(1983).

CC -I- FUNCTION: PANCREATIC HORMONE IS SYNTHESIZED IN PANCREATIC ISLETS
 CC OF LANGERHANS AND ACTS AS A REGULATOR OF PANCREATIC AND
 CC GASTROINTESTINAL FUNCTIONS.

CC -I- SUBCELLULAR LOCATION: Secreted.

CC -I- SIMILARITY: Belongs to the NPY family.

CC This SWISS-PROT entry is copyright. It is produced through a collaboration
 CC between the Swiss Institute of Bioinformatics and the EMBL outstation -
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 CC use by non-profit institutions as long as its content is in no way
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CC

DR EMBL; D13761; BAA02907_1; -.

DR PIR; JN0776; PCCH.

DR PDB; 1PPT; 15-OCT-91; Pancreatic_hormn.

DR InterPro; IPR01955; Hormone3; 1.

DR SMART; SM00309; PAH; 1.

DR PROSITE; PS0265; PANCREATIC_HORMONE_1; 1.

DR PROSITE; PS50276; PANCREATIC_HORMONE_2; 1.

KW Hormone; Cleavage on pair of basic residues; Pancreas; Signal;

KW Amidation; 3D-structure.

FT SIGNAL 1 25 POTENTIAL: HORMONE.

FT CHAIN 26 60 PANCREATIC HORMONE.

FT PROPEP 65 80 AMIDATION (G-62 PROVIDE AMIDE GROUP).

FT MOD_RES 61 61 AMIDATION (G-62 PROVIDE AMIDE GROUP).

FT CONFLICT 47 48 ND -> DN (IN RBP. 2).

FT TURN 35 36 RAA

FT HELIX 39 56 RAA

FT TURN 57 58 RAA

SQ SEQUENCE 80 AA; 8773 MW; 90B44E27389DB050 CRC64;

Query Match 61.6%; Score 130; DB 1; Length 36;
 Best Local Similarity 74.2%; Pred. No. 4 1e-10; Mismatches 4; Indels 0; Gaps 0;

QY 3 PSQPTPPDPGPVDPDILRPYDNQWMNCVT 33
 2 PVPQTPYDQDAPVDLVPYNDLQQVAVNVT 32

RESULT 3
 PHO_LARAR STANDARD; PRT; 36 AA.

ID PHO_LARAR AC P41337; DT 01-FEB-1995 (Rel. 31; Created)
 DR 01-PBS-1995 (Rel. 31; Last sequence update)
 DR 15-SEP-2003 (Rel. 42; Last annotation update)

DS Pancreatic hormone (Pancreatic polypeptide) (PP).
 OS Larus argentatus (Herring gull).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
 OC Archosauvia; Aves; Neognathae; Charadriiformes; laridae; Larus.

RN [1]

RX SOURCE OF 26-61.

RX TISSUE-Pancreas;

RX MEDLINE=9422951; PubMed=8174930,
 RA Barton C.L., Shaw C., Halton D.W., Thim L.; "Isolation and structural characterisation of herring gull (Larus
 RT argentatus) pancreatic polypeptide.", Gen. Comp. Endocrinol. 93:255-259(1994).

CC -I- FUNCTION: PANCREATIC HORMONE IS SYNTHESIZED IN PANCREATIC ISLETS
 CC OF LANGERHANS AND ACTS AS A REGULATOR OF PANCREATIC AND
 CC GASTROINTESTINAL FUNCTIONS.

CC -I- SUBCELLULAR LOCATION: Secreted.

CC -I- SIMILARITY: Belongs to the NPY family.

DR InterPro; IPR001955; Pancreatic_hormn.

DR Pfam; PF00159; hormones3; 1.

DR SMART; SM00309; PAH; 1.

DR PROSITE; PS00265; PANCREATIC_HORMONE_1; 1.

DR PROSITE; PS50276; PANCREATIC_HORMONE_2; 1.

KW Hormone; Amidation; Pancreas.

FT RBS 36 AMIDATION.

SQ SEQUENCE 36 AA; 4237 MW; 67831F38349C9BC5 CRC64;

Query Match 61.6%; Score 130; DB 1; Length 36;
 Best Local Similarity 74.2%; Pred. No. 4 1e-10; Mismatches 4; Indels 0; Gaps 0;

QY 3 PSQPTPPDPGPVDPDILRPYDNQWMNCVT 33
 2 PVPQTPYDQDAPVDLVPYNDLQQVAVNVT 32

RESULT 4
 PARO_ALMI STANDARD; PRT; 36 AA.

ID PARO_ALMI AC P06305; DT 01-JAN-1998 (Rel. 06; Created)
 DT 01-JAN-1998 (Rel. 06; Last sequence update)

DT 15-SEP-2003 (Rel. 42; Last annotation update)

DE Pancreatic hormone (Pancreatic polypeptide) (PP).

OS Alligator mississippiensis (American alligator).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

OC Archosauria; Crocodylidae; Alligatorinae; Alligator.

NCBI_TaxID=8496; RN [1]

RF SEQUENCE

RX MEDLINE=84261570; PubMed=6145282;

RX Glover I.D., Barlow D.J., Pitts J.B., Wood S.P., Tickle I.J.,
 RA Blundell T.L., Tamemoto K., Kimmel J.R., Wollmer A.,
 RA Strassburger W., Zhang Y.S.; "Conformational studies on the pancreatic polypeptide hormone
 RT family.", Eur. J. Biochem. 142:379-385(1984).

RL [2]

RP SEQUENCE

RX MEDLINE=0426419; PubMed=6146554;
 RA Lance V., Hamilton J.W., Reuse J.B., Kimmel J.R., Pollock H.G.;
 RT "Isolation and characterization of reptilian insulin, glucagon, and
 pancreatic polypeptide: complete amino acid sequence of alligator
 RT (Alligator mississippiensis) insulin and pancreatic polypeptide.";

QY 3 PSQPTPPDPGPVDPDILRPYDNQWMNCVT 33
 27 PSQPTPPDPGPVDPDILRPYDNQWMNCVT 57

DB 30 PSKEDNPGRGCPAEDLAKYTSALRHVNLIT 60

RESULT 15

NEUT_RANII STANDARD; PRT; 36 AA.

ID NEUT_RANII

AC P23949;

DT 01-APR-1993 (Rel. 25, Created)

DT 01-APR-1993 (Rel. 25, Last sequence update)

DT 12-SEP-2003 (Rel. 42, Last annotation update)

DB Melanostatin (Melanotropin-release-inhibiting factor) (Neuropeptide Y)

DB (NPY).

OS Rana ridibunda (Laughing frog) (Marsh frog), and

OS Rana temporaria (European common frog).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

OC Amphibia; Batrachia; Anura; Neobatrachia; Ranidae; Rana.

OX NCBI_TaxID=8406, 8407;

RN [1]

RP

RC SPECIES=R.ridibunda; TISSUE=Brain;

RX MEDLINE=91215947; PubMed=1673794;

RA Chartral N., Conlon J.M., Danger J.-M., Fournier A., Tonon M.-C.,

RA Vaudry H.;

RT Characterization of melanotropin-release-inhibiting factor

RT (melanostatin) from frog brain: homology with human neuropeptide Y.;

RL Proc. Natl. Acad. Sci. U.S.A. 88:3862-3866(1991).

RN [2]

RP

RC SEQUENCE.

RX MEDLINE=92169199; PubMed=1539111;

RA McKay D.M., Shaw C., Halton D.W., Thim L., Buchanan K.D.;

RT "The primary structure and tissue distribution of an amphibian

RT neuropeptide Y."

CC 37143-153 (1992).

CC -!- FUNCTION: NPY IS IMPLICATED IN THE CONTROL OF FEEDING AND IN

CC SECRETION OF GONADOTROPHIN-RELEASE HORMONE. NPY MAY PLAY A

CC PHYSIOLOGICAL ROLE IN THE REGULATION OF PITUITARY MELANOTROPHS.

-!- SUBCELLULAR LOCATION: secreted.

CC -!- SIMILARITY: Belongs to the NPY family.

DR PIR; A39393; A39393.

DR PIR; A48540; A48540.

DR NSSP; P01333; IRON.

DR Interpro; IPR001955; Pancreatic_hormon.

DR PFAM; PF00159; hormone3; 1.

DR PRINTS; PRO0276; PANCHORMONE.

DR PRODOM; PDO01267; Pancreatic_hormon; 1.

DR SMART; SM00309; PAH; 1.

DR PROSITE; PS00265; PANCREATIC_HORMONE_1; 1.

DR PROSITE; PS00276; PANCREATIC_HORMONE_2; 1.

KW Neuropeptide, amidation.

FT NOD_RBS 36 36 AMIDATION.

FT SEQUENCE 36 AA; 4245 MW; 001425B202C0DD6 CRC64;

Query Match 38.4%; Score 81; DB 1, Length 36;

Betw Local Similarity 38.7%; Pred. No. 0.00055; Mismatches 10; Indels 0; Gaps 0;

Matches 12; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

QY 3 PSQPTVPGDGVEDLIRPYDNIQQWNACVT 33

Db 1|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||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Search completed: December 17, 2003, 16:34:05

Job time : 32 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 17, 2003, 16:31:36 ; Search time 35 Seconds
 (without alignments)
 265.426 Million cell updates/sec

Title: US-10-027-038-11

Perfect score: 211

Sequence: 1 MCPSQPTPDPGPVLDLIRYDNLQQWLNCTAAC 36

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 830525 seqs, 258052604 residues

Total number of hits satisfying chosen parameters: 830525

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : SPTRIMBL_23*

- 1: sp_archea:*
- 2: sp_bacteria:*
- 3: sp_fungi:*
- 4: sp_human:*
- 5: sp_invertebrate:*
- 6: sp_mammal:*
- 7: sp_match:*
- 8: sp_oocanelle:*
- 9: sp_phage:*
- 10: sp_plant:*
- 11: sp Rodent:*
- 12: sp_virus:*
- 13: sp_ vertebrate:*
- 14: sp_unclassified:*
- 15: sp_virus:*
- 16: sp_bacteriapl:*
- 17: sp_archeap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

17	59.5	28.2	436	3	Q8X0U2	Q8x0u2 neurospora
18	58	27.5	81	12	Q9327	Q69327 sainirine
19	58	27.5	194	12	Q82584	Q92584 sainirine
20	58	27.5	543	12	Q40639	Q40639 sainirine
21	57	27.0	883	16	Q8RP39	Q98P39 zizobium 1
22	55.5	26.8	299	6	Q9TT9	Q9TT9 bos taurus
23	56.5	26.8	888	5	Q04135	Q04135 drosophila
24	56.5	26.8	888	5	Q961V7	Q961V7 drosophila
25	56	26.5	21	13	Q8PS51	Q9P851 lampetra fl
26	55.5	26.3	212	16	Q82Q08	Q8zq08 salmonella
27	55.5	26.3	212	16	Q1Z71B	Q8z718 salmonella
28	55.5	26.3	214	16	Q9RIN4	Q9fin4 escherichia
29	55.5	26.3	365	4	Q9RW7B	Q9bw7B homo sapien
30	55	26.1	996	2	Q87523	Q59232 lactococcus
31	55	26.1	998	2	Q8VPU3	Q8vpu3 lactococcus
32	55	26.1	2011	5	Q93442	Q93442 caenorhabdi
33	55	26.1	4116	4	Q8TD57	Q8td57 homo sapien
34	54.5	25.8	347	6	Q8PS7	Q8sp87 bus scrofa
35	54	25.6	331	16	Q9X1NB	Q9xin8 thermotoga
36	54	25.6	389	2	Q9232	Q59232 bacillus sp
37	54	25.6	799	11	Q8BN57	Q8bn57 mus musculus
38	54	25.6	1023	2	Q8KRF6	Q8krf6 arthrobacte
39	54	25.6	1669	11	Q9QZ80	Q9gzb0 mus musculus
40	54	25.6	1691	11	Q8ESQ2	Q8eq2 mus musculus
41	53.5	25.4	857	15	Q8ULAL6	Q8ula1 human immun
42	53.5	25.4	857	15	Q8ULAG6	Q8ula6 human immun
43	53.5	25.4	857	15	Q8ULAO	Q8ula0 human immun
44	53.5	25.4	857	15	Q8ULAS5	Q8ula5 human immun
45	53.5	25.4	857	15	Q8ULUA4	Q8ula4 human immun

ALIGNMENTS

RESULT 1						
OTTSIG	ID	OPTSIG	PRELIMINARY;	PRT;	90 AA.	
	OTTSIG6	Q9TS16				
	AC	Q9TS16;	Created)			
	DT	01-MAY-2000	(T-EMBL-13, last sequence update)			
	DT	01-MAY-2000	(T-EMBL-13, last sequence update)			
	DB	01-DEC-2001	(T-EMBL-19, last annotation update)			
	OS	Neuropeptide Y (Fragment).				
	OS	Ovis aries (Sheep).				
	OC	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
	OC	Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea;				
	OC	Bovidae; Caprinae; Ovis.				
	OX	NCBI_TaxID=9940;				
RN	[1]	SEQUENCE FROM N.A.				
RP		Simmons J.M., Daniel J.A., Matteri R.L., Kaisler D.H.;				
RA		Submitted (SRP-1998) to the EMBL/GenBank/DBJ databases.				
RL		- SIMILARITY: BELONGS TO THE NPY / PYY FAMILY.				
CC		EMBL; AF05782; AAC69886.1; -.				
DR		HSSP; P01303; IRON				
DR		InterPro; IPR001955; Pancreatic_hormn.				
DR		PFam; PF00159; hormone3_1.				
DR		PRINTS; PR00278; PANCHOMONB.				
DR		PRODOM; P001267; Pancreatic_hormn; 1.				
DR		SMART; SM00309; PH1_1.				
DR		PROSITE; PS00265; PANCREATIC_HORMONE_1; 1.				
DR		DR				
KW		PROSITE; PS00265; PANCREATIC_HORMONE_1; 1.				
KW		Amidation.				
FT		NON_TER	1			
FT		NON_TER	90	90		
SQ		SEQUENCE	90 AA;	.9916 MW;	46FF2FB153BE5FPB	CRC64;

Query Match 42.7%; Score 90; DB 6; Length 90;
 Best Local Similarity 48.4%; Pred. No. 8.8e-05; Mismatches 10; Indels 0; Gaps 0;
 Matches 15; Conservative 6; MisMatches 10; Indels 0; Gaps 0;
 QY 3 PSQPTPDPGPVLDLIRYDNLQQWLNCTAAC 33
 Db 25 PSKDPNPGDAPDARYSALHVNLT 55
 Q8d44 synchococcus
 Q8d44 streptomyce

Result No.	Score	Query Match	Length	DB ID	Description
1	90	42.7	90	6	OTTSIG
2	90	42.7	97	6	Q8SPR7
3	86	40.8	76	6	Q9NWM5
4	84	39.8	97	6	Q9XSW6
5	82	38.9	36	13	Q9PS45
6	81	38.4	89	11	Q925V2
7	77	36.5	99	13	Q90WR4
8	76	36.0	96	13	Q9DGK7
9	74	35.1	36	13	Q9TR93
10	73	34.1	36	13	Q8JHB7
11	72	34.1	98	11	Q91XDO
12	67	31.8	34	6	Q9TR92
13	65	30.8	99	13	Q90WF3
14	63	29.9	581	16	Q8DIP5
15	61.5	29.1	250	16	Q8DH44
16	60	28.4	162	16	Q9KYA3

RESULT 2									
ID 08SPF7	PRELIMINARY;	PRT;	97 AA.						
AC 08SPF7;				01-JUN-2002 (TREMBlrel. 21, Created)					
DR DT 01-MAY-2002 (TREMBlrel. 21, Last sequence update)				01-MAR-2003 (TREMBlrel. 23, Last annotation update)					
DR DB Neuropeptide Y precursor.									
GN NPY.									
OS Ovis aries (Sheep).									
OC Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea; Bovidae; Caprinae; Ovis.									
OK NCBI_TAXID=9940;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC STRAIN/Line de France; TISSUE=Hypothalamus;									
RA PILION D.; Bruneau G.;				Ovine prepronuropeptide Y.;"					
RT "Nucleotide sequence of Ovine prepronuropeptide Y.";				Submitted (Oct-2001) to the EMBL/GenBank/DBJ databases.					
RL -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
CC EMBL: AJ417904; CAD10677.1; -INTERPRO: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormones; 1. PRODOM: PD001267; Pancreatic hormone; 1. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. DR PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Signal.									
FT SIGNAL 1 28 POTENTIAL.									
FT CHAIN 29 64 NEUROPEPTIDE Y.									
FT CHAIN 68 97 POTENTIAL.									
SQ SEQUENCE 97 AA: 10750 MW: 6C2209A361CFB583 CRC64;									
Query Match 42.7%; Score 90; DB 6; Length 97; Best Local Similarity 48.4%; Pred. No. 9.6e-05; Matches 15; Conservative 6; Mismatches 10; Indels 0; Gaps 0; KW									
Qy 3 PSQOPTPGDPGPSPVEDIRPVQLQMLNCV 33									
Db 30 PSKDPDNGDAPADBDWARYSALRHYINLIT 60									
RESULT 3									
Q9NOM5 PRELIMINARY; PRT; 76 AA.									
ID Q9NOM5; 01-OCT-2000 (TREMBlrel. 15, Created)									
DR 01-OCT-2000 (TREMBlrel. 15, Last sequence update)									
DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)									
DB Proneuropeptide Y (Fragment).									
OS Sub scrofa (pig).									
OC Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sub; NCBI_TaxID=9823;									
OK [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									
RA Matteri R.L.;				Submitted (May-2000) to the EMBL/GenBank/DBJ databases.					
RT -I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.				-I-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.					
DR EMBL: AP064083; AJ472538.1; -HSSP: P01303; IRON: InterPro: IPR001955; Pancreatic hormone.									
DR Pfam: PF00159; hormone3; 1. PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
FT PRINTS: PR00278; PANCHORMONE. SMART: SM00309; PAH; 1. PROSITE: PS00265; PANCREATIC_HORMONE_1; 1. PROSITE: PS00276; PANCREATIC_HORMONE_2; 1. KW Amidation; Neuropeptide.									
RN NCBI_TAXID=7830;									
RN [1]									
RP SEQUENCE FROM N.A.									
RC TISSUE=Hypothalamus;									

RESULT 9

Q9TR93 PRELIMINARY; PRT; 36 AA.

ID Q9TR93; PROSITE; P85027; PANCREATIC_HORMONE_2; 1.

AC Q9TR93; FT 1; NON_TER 35; SEQUENCE 36 AA;

DT 01-MAY-2000 (TREMBrel. 13, Created)

DR 01-OCT-2001 (TREMBrel. 18, Last annotation update)

DB Peptide YY, PYY(1-36).

OS Oryctolagus cuniculus (Rabbit)

OC Bokaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus.

OX NCBI_TaxID=3986;

RN [1]

RP SQUENCE.

RX MEDLINE-9507535; PubMed=7984499;

RA Grandt D., Schimczek M., Struk K., Shively J., Bysslein V.E., Goebel H., Reeve J.R.Jr.; "Characterization of two forms of peptide YY, PYY(1-36) and PYY(3-36), in the rabbit.", Peptides 15:815-820(1994).

CC -1-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.

DR HSSP; P01303; 1RN

DR InterPro; IPR01955; Pancreatic_hormn.

DR PFAM; PF00159; hormone3_1.

DR PRINTS; PR00278; PANCHORMONE.

DR PRODOM; PDD01267; Pancreatic_normn; 1.

DR SMART; SMO0309; PAH; 1.

DR PROSITE; PS00265; PANCREATIC_HORMONE_1; 1.

DR PROSITE; PS50276; PANCREATIC_HORMONE_2; 1.

KW Amidation.

SEQ 36 AA; 4285 MW; 02D499C8086DC68 CRC64;

Q9 3 PSQOPTYPPGPGPVEDLIRFYDNLQWLNCTV 33

Query Match 35.1%; Score 74; DB 6; Length 36; Best local similarity 45.2%; Pred. No. 0.00528; Matches 14; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

DR SQUENCE. 36 AA; 4285 MW; 02D499C8086DC68 CRC64;

Q9 2 PSKPRAPGDDASPERBLRYYASLRHYLNLT 32

Query Match 34.1%; Score 72; DB 11; Length 98; Best local similarity 41.9%; Pred. No. 0.029; Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

RESULT 10

Q8JHE7 PRELIMINARY; PRT; 36 AA.

ID Q8JHE7; PRODOM; PDD01267; Pancreatic_hormn; 1.

DT 01-OCT-2002 (TREMBrel. 22, Created)

DT 01-OCT-2002 (TREMBrel. 22, Last sequence update)

DR 01-MAR-2003 (TREMBrel. 23, Last annotation update)

DB Neuropeptide Y (Fragment).

GN NPY.

OS SiniPerca chuatsai (Chinese perch).

OC SiniPerca chuatsai; Chordata; Craniata; Vertebrata; Buteleostomi; Actinopterygii; Neopterygii; Teleostei; Buteleoste; Neoteleoste; Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Percoidae; Siniperidae; Siniperca.

NCBI_TaxID=119488;

[1]

RP SQUENCE FROM N.A.

RA Liang X., Bai J., Lao H.; "Mandarin fish (SiniPerca chuatsai) NPY mature peptide," Submitted (MAY-2002) to the EMBL/GenBank/DDJB databases.

RL EMBL; AF544858; AAM51821; -ic_hormn.

DR InterPro; IPR001955; Pancreatic_hormn.

DR PFAM; PF00159; hormone3_1.

DR PRINTS; PR00278; PANCHORMONE.

DR SMART; SMO01267; Pancreatic_normn; 1.

DR PRODOM; PDD01267; Pancreatic_hormn; 1.

DR SMART; SMO0309; PAH; 1.

RESULT 11

Q9IXD0 PRELIMINARY; PRT; 98 AA.

ID Q9IXD0; PROSITE; P85027; PANCREATIC_HORMONE_2; 1.

AC Q9IXD0; FT 1; NON_TER 35; SEQUENCE 98 AA;

DT 01-DEC-2001 (TREMBrel. 19, Created)

DT 01-DEC-2001 (TREMBrel. 19, Last sequence update)

DR Unknown (Protein for MGc19143).

OS Mus musculus (Mouse).

OC Bokaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

OX NCBI_TaxID=10090;

RN [1]

RP SQUENCE FROM N.A.

RC TISSUEColon;

RA Strauberg R.; Submitted (TUL-2001) to the EMBL/GenBank/DDJB databases.

CC -1-SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.

DR EMBL; BC10821; AAH10821; 1; InterPro; IPR01955; Pancreatic_hormn.

DR PFAM; PF00159; hormone3_1.

DR PRINTS; PR00278; PANCHORMONE.

DR PRODOM; PDD01267; Pancreatic_hormn; 1.

DR SMART; SMO0309; PAH; 1.

DR PROSITE; PS00265; PANCREATIC_HORMONE_1; 1.

DR PROSITE; PS50276; PANCREATIC_HORMONE_2; 1.

KW Amidation.

SEQ 98 AA; 11064 MW; 7AF165A1052C3249 CRC64;

Q9 3 PSQOPTYPPGPGPVEDLIRFYDNLQWLNCTV 33

Query Match 34.1%; Score 72; DB 11; Length 98; Best local similarity 41.9%; Pred. No. 0.029; Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

DR SQUENCE. 98 AA; 11064 MW; 7AF165A1052C3249 CRC64;

Q9 30 PAKEPAPGDDASPERBLRYYASLRHYLNLT 60

Query Match 34.1%; Score 72; DB 11; Length 98; Best local similarity 41.9%; Pred. No. 0.029; Matches 13; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

RESULT 12

Q9TR92 PRELIMINARY; PRT; 34 AA.

ID Q9TR92; PROSITE; P85027; PANCREATIC_HORMONE_2; 1.

AC Q9TR92; FT 1; NON_TER 35; SEQUENCE 34 AA;

DT 01-MAY-2000 (TREMBrel. 13, Created)

DT 01-MAY-2000 (TREMBrel. 13, Last sequence update)

DT 01-OCT-2001 (TREMBrel. 18, Last annotation update)

DR Peptide YY, PYY(3-36).

OS Oryctolagus cuniculus (Rabbit).

OC Bokaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus.

OX NCBI_TaxID=3986;

RN [1]

RP SQUENCE.

RX MEDLINE-9507535; PubMed=7984499;

RA Grandt D., Schimczek M., Struk K., Shively J., Bysslein V.E., Goebel H., Reeve J.R.Jr.; "Characterization of two forms of peptide YY, PYY(1-36) and PYY(3-36), in the rabbit.", Peptides 15:815-820(1994).

RT Peptides 15:815-820(1994).

CC -1- SIMILARITY: BELONGS TO THE NEF / PPY / PYY FAMILY.

DR -HSSP; P01303; IRON

DR InterPro; IPR001955; Pancreatic_hormn.

DR Prodrom; PDD01267; Pancreatic_hormn; 1.

DR SMART; SM0309; PAH; 1.

DR PROSITE; PS00265; PANCREATIC_HORMONE_2; 1.

KW Amidation.

SQ SEQUENCE 34 AA; 4024 MW; 02B4E9C38BA5FC8D CRC64;

Query Match 31.8%; Score 67; DB 6; Length 34;
Best Local Similarity 43.3%; Pred. No. 0.045; Mismatches 10; Indels 0; Gaps 0;

Matches 13; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

Ov 4 SPPYTPGPGPVDEDIRFYDNQMLNCTV 33

Db 1. SKPEAPGIGDASAPERLNRYTASLRHYLNLT 30

RESULT 13

Q90WFB PRELIMINARY; PRT; 99 AA.

Q90WR3 PRELIMINARY; PRT; 99 AA.

AC Q90WF3; 01-DEC-2001 (TREMBLrel. 19, Created)

DT 01-DEC-2001 (TREMBLrel. 19, Last sequence update)

DT 01-MAR-2003 (TREMBLrel. 23, Last annotation update)

DB Peptide YY.

GN PYY.

OS Paralichthys olivaceus (Flounder)

OC Bokaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;

OC Acanthomorpha; Acanthopterygii; Percomorpha; Pleuronectiformes;

OC Pleuronectoidei; Paralichthyida; Paralichthys.

OX NCBI_Taxid=8255; [1]

RN 1SEQUENCE FROM N.A.

RC TISSUE=Brain;

RA Kurokawa T., Suzuki T.;
"Development of neuropeptide Y related peptides in the digestive organs during the larval stage of Japanese flounder, *Paralichthys olivaceus*," RIBB, 2001) to the EMBL/GenBank/DBJ databases.

CC -- SIMILARITY: BELONGS TO THE NPY / PPY / PYY FAMILY.

DR EMBL; AB05212; BAB62410.1; -. [1]

InterPro; IPR001955; Pancreatic_hormn.

DR Pfam; PP00159; hormone3; 1.

DR PRINTS; P00278; PANCRHOMB.

DR PRODOM; PDD01267; Pancreatic_hormn; 1.

DR SMART; SM00309; PAH; 1.

DR PROSITE; PS00265; PANCREATIC_HORMONE_1; 1.

DR PROSITE; PS00276; PANCREATIC_HORMONE_2; 1.

KW Amidation.

SQ SEQUENCE 99 AA; 11179 MW; 32F6C21217C81984 CRC64;

Query Match 30.8%; Score 65; DB 13; Length 99;
Best Local Similarity 35.5%; Pred. No. 0.27; Mismatches 11; Conservative 8; Indels 0; Gaps 0;

Matches 11; Conservative 12; Indels 0; Gaps 0;

Ov 3 PEGPTIPGPGPVDEDIRFYDNQMLNCTV 33

Db 29 PVKPTIPRGAATPEDIAYTYSRHYLNLT 59

RESULT 14

Q8D1FS PRELIMINARY; PRT; 581 AA.

AC Q8D1FS; 01-MAR-2003 (TREMBLrel. 23, Created)

DT 01-MAR-2003 (TREMBLrel. 23, Last sequence update)

DT 01-MAR-2003 (TREMBLrel. 23, Last annotation update)

DR TLL1634 protein.

GN TLL1634.

OS Synechococcus elongatus (*Thermosynechococcus elongatus*).

OC Bacteria; Cyanobacteria; Chroococcales; Synechococcus.

NCBI_TaxID=32065;

RN [1]

RP SEQUENCE FROM N.A.

Q8DH44 PRELIMINARY; PRT; 250 AA.

AC Q8DH44; 01-MAR-2003 (TREMBLrel. 23, Created)

DT 01-MAR-2003 (TREMBLrel. 23, Last sequence update)

DT 01-MAR-2003 (TREMBLrel. 23, Last annotation update)

DR TLL16 protein.

GN Synechococcus elongatus (*Thermosynechococcus elongatus*).

OC Bacteria; Cyanobacteria; Chroococcales; Synechococcus.

OX NCBI_Taxid=32046; [1]

RP SEQUENCE FROM N.A.

RC STRAIN=BP-1;

RX MEDLINE=22225144; PubMed=12240834;

RA Nakamura Y., Kaneko T., Sato S., Ikeuchi M., Katoh H., Sasamoto S., Watanabe A., Iriuchih M., Kawashima K., Kimura T., Kishida Y., Kiyokawa C., Kobara M., Matsuno M., Nakazaki N., Shimpo S., Sugimoto M., Takeuchi C., Yamada M., Tabata S.;

RT "Complete genome structure of the thermophilic cyanobacterium *Thermosynechococcus elongatus* BP-1." DNA Res. 9:123-130(2002).

RL DR EMBL; AP005376; BAC0966B.1; -. [1]

DR Complete proteome.

SQ SEQUENCE 250 AA; 27453 MW; 429AEDF822699165 CRC64;

Query Match 29.1%; Score 61.5; DB 16; Length 250;
Best Local Similarity 51.7%; Pred. No. 2.2; Mismatches 15; Conservative 3; Indels 1; Gaps 1;

Matches 15; Conservative 3; Mismatches 10; Indels 1; Gaps 1;

Ov 2 CPSQPTIPGPGPVDEDIRFYDNQMLNCTV 29

Db 162 CDSGGTRPPQDIAVPTERIQLGYDHLQEVL 190

Search completed: December 17, 2003, 16:34:34
Job time : 37 sec

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using SW model

Run on: December 17, 2003, 16:26:20 ; Search time 36 Seconds

Perfect score: 211

Sequence: 1 MCPSOPTYEDPGPVEDLIRPYDNLQQWLNCTAAC 36

Title: US-10-027-038-11

Scoring table: BLASTN62

Gapop 10.0 , Gapext: 0.5

Searched: 696363 seqs, 186758610 residues

Total number of hits satisfying chosen parameters: 696363

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

Database : Published Applications RA:*

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1: /cgn2_6/ptodata/1/pupbaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pupbaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pupbaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pupbaa/US07_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pupbaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pupbaa/PCTUS07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pupbaa/US08_NEW_PUB.pep:*
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11: /cgn2_6/ptodata/1/pupbaa/US09_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pupbaa/US10_PUBCOMB.pep:*
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15: /cgn2_6/ptodata/1/pupbaa/US10_NEW_PUB.pep:*
16: /cgn2_6/ptodata/1/pupbaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pupbaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pupbaa/US60_PUBCOMB.pep:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	211	100.0	36	12	US-10-027-038-11
2	206	97.6	35	12	US-10-027-038-14
3	193.5	91.7	40	12	US-10-027-038-22
4	193	91.5	41	12	US-10-027-038-21
5	171	81.0	37	12	US-10-027-038-4
6	161	76.3	37	12	US-10-027-038-3
7	156	73.9	36	12	US-10-027-038-2
8	155	73.5	34	12	US-10-027-038-8
9	155	73.5	36	12	US-10-027-038-5
10	153	72.5	36	12	US-10-027-038-6
11	147	69.7	33	12	US-10-027-038-10
12	147	69.7	36	12	US-10-027-038-1
13	147	69.7	37	12	US-10-027-038-9
14	137	64.9	36	12	US-09-840-085-6
15	116	34	12	US-09-840-085-54	

ALIGNMENTS

RESULT 1
US-10-027-038-11

; Sequence 11, Application US/10027038

; Publication No. US20030158380A1

; GENERAL INFORMATION:

; APPLICANT: Quirk, S.

; TITLE OF INVENTION: Modular peptide-based reagent

; FILE REFERENCE: 1443_026US1

; CURRENT APPLICATION NUMBER: US/10-027,038

; CURRENT FILING DATE: 2001-12-20

; NUMBER OF SEQ ID NOs: 34

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 11
LENGTH: 36
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: A peptide backbone.

OTHER INFORMATION: A peptide backbone.

US-10-027-038-11

Query Match Similarity Score 211; DB 12; Length 36;
Best Local Similarity 100.0%; Pred. No. 4.2e-20;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1 MCPSOPTYEDPGPVEDLIRPYDNLQQWLNCTAAC 36
Db	1 MCPSOPTYEDPGPVEDLIRPYDNLQQWLNCTAAC 36

RESULT 2
US-10-027-038-14

; Sequence 14, Application US/10027038

; Publication No. US20030158380A1

; GENERAL INFORMATION:

; APPLICANT: Quirk, S.

; TITLE OF INVENTION: Modular peptide-based reagent

; FILE REFERENCE: 1443_026US1

; CURRENT APPLICATION NUMBER: US/10-027,038

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; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A peptide backbone.

RESULT 3
US-10-027-038-22
; Sequence 22, Application US/10027038
; Publication No. US20030158380A1
; GENERAL INFORMATION:
; APPLICANT: Quirk, S.
; TITLE OF INVENTION: Modular peptide-based reagent
; FILE REFERENCE: 1443.026US1
; CURRENT APPLICATION NUMBER: US/10/027,038
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 40
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A peptide backbone.

Query Match 97.6%; Score 206; DB 12; Length 35;
Best Local Similarity 100.0%; Pred. No. 1.8e-19;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2 CPSQPTYPEDPGPVEDLIRFYDNLQWLNCTAAC 36
Db 1 CPSQPTYPEDPGPVEDLIRFYDNLQWLNCTAAC 35

RESULT 4
US-10-027-038-22
; Sequence 22, Application US/10027038
; Publication No. US20030158380A1
; GENERAL INFORMATION:
; APPLICANT: Quirk, S.
; TITLE OF INVENTION: Modular peptide-based reagent
; FILE REFERENCE: 1443.026US1
; CURRENT APPLICATION NUMBER: US/10/027,038
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 40
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A peptide backbone.

Query Match 91.5%; Score 193; DB 12; Length 41;
Best Local Similarity 95.4%; Pred. No. 9.9e-18;
Matches 35; Conservative 0; Mismatches 0; Indels 6; Gaps 1;
Qy 2 CPSQPTYPEDPGPVEDLIRFYDNLQWLNCTAAC 36
Db 1 CPSQPTYPEDPGPVEDLIRFYDNLQWLNCTAAC 41

RESULT 5
US-10-027-038-4
; Sequence 4, Application US/10027038
; Publication No. US20030158380A1
; GENERAL INFORMATION:
; APPLICANT: Quirk, S.
; TITLE OF INVENTION: Modular peptide-based reagent
; FILE REFERENCE: 1443.026US1
; CURRENT APPLICATION NUMBER: US/10/027,038
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A peptide backbone.

Query Match 81.0%; Score 171; DB 12; Length 37;
Best Local Similarity 90.9%; Pred. No. 5.9e-15;
Matches 30; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 1 MCPSQPTYPEDPGPVEDLIRFYDNLQWLNCTAAC 33
Db 1 MCPSQPTYPEDPGPVEDLIRFYDNLQWLNCTAAC 33

RESULT 6
US-10-027-038-3
; Sequence 3, Application US/10027038
; Publication No. US20030158380A1
; GENERAL INFORMATION:
; APPLICANT: Quirk, S.
; TITLE OF INVENTION: Modular Peptide-based reagent
; FILE REFERENCE: 1443.026US1
; CURRENT APPLICATION NUMBER: US/10/027,038
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A peptide backbone.

Query Match 76.3%; Score 161; DB 12; Length 37;
Best Local Similarity 87.9%; Pred. No. 1.1e-13;
Matches 29; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
Qy 1 MCPSQPTYPEDPGPVEDLIRFYDNLQWLNCTAAC 33
Db 1 MCPSQPTYPEDPGPVEDLIRFYDNLQWLNCTAAC 33

RESULT 7
US-10-027-038-2
; Sequence 2, Application US/10027038
; Publication No. US20030158380A1
; GENERAL INFORMATION:
; APPLICANT: Quirk, S.
; TITLE OF INVENTION: Modular peptide-based reagent
; FILE REFERENCE: 1443.026US1
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A peptide-based reagent that combines the SEQ ID
; OTHER INFORMATION: No:15 interactive domain with the SEQ ID NO:11
; OTHER INFORMATION: peptide backbone.

US-10-027-038-21

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; TITLE OF INVENTION: Modular peptide-based reagent
 ; FILE REFERENCE: 1443.026US1
 ; CURRENT APPLICATION NUMBER: US/10/027,038
 ; NUMBER OF SEQ ID NOS: 34
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 2
 ; LENGTH: 36
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; OTHER INFORMATION: A peptide backbone.
 ; US-10-027-038-2

 Query Match 73.9%; Score 156; DB 12; Length 36;
 Best Local Similarity 90.3%; Pred. No. 4.9e-13; Indels 0; Gaps 0;
 Matches 28; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 3 PSQPTYRDPGPGVEDLIRPYDNLQQMLNCVT 33
 Db 2 PSQPTYRDPAPVEDLIRPYDNLQQMLNCVT 32

 RESULT 10
 US-10-027-038-6
 ; Sequence 6, Application US/10027038
 ; Publication No. US20030158380A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Quirk, S.
 ; TITLE OF INVENTION: Modular peptide-based reagent
 ; FILE REFERENCE: 1443.026US1
 ; CURRENT APPLICATION NUMBER: US/10/027,038
 ; CURRENT FILING DATE: 2001-12-20
 ; NUMBER OF SEQ ID NOS: 34
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 6
 ; LENGTH: 36
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE: Peptide backbone.
 ; OTHER INFORMATION: A peptide backbone.
 ; US-10-027-038-6

 Query Match 72.5%; Score 153; DB 12; Length 36;
 Best Local Similarity 90.3%; Pred. No. 1.2e-12; Indels 0; Gaps 0;
 Matches 28; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 Qy 3 PSQPTYRDPGPGVEDLIRPYDNLQQMLNCVT 33
 Db 2 PSQPTYRDPAPVEDLIRPYDNLQQMLNCVT 32

 RESULT 11
 US-10-027-038-10
 ; Sequence 10, Application US/10027038
 ; Publication No. US20030158380A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Quirk, S.
 ; TITLE OF INVENTION: Modular peptide-based reagent
 ; FILE REFERENCE: 1443.026US1
 ; CURRENT APPLICATION NUMBER: US/10/027,038
 ; CURRENT FILING DATE: 2001-12-20
 ; NUMBER OF SEQ ID NOS: 34
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 10
 ; LENGTH: 33
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE: Peptide backbone.
 ; OTHER INFORMATION: A peptide backbone.
 ; US-10-027-038-10

 Query Match 69.7%; Score 147; DB 12; Length 33;
 Best Local Similarity 87.1%; Pred. No. 6.4e-12; Indels 0; Gaps 0;
 Matches 27; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 Qy 3 PSQPTYRDPGPGVEDLIRPYDNLQQMLNCVT 33
 Db 2 PSQPTYRDPAPVEDLIRPYDNLQQMLNCVT 32

 RESULT 12
 US-10-027-038-1
 ; Sequence 1, Application US/10027038
 ; Publication No. US20030158380A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Quirk, S.
 ; TITLE OF INVENTION: Modular peptide-based reagent

FILE REFERENCE: 1443.026US1
 CURRENT APPLICATION NUMBER: US/10/027,038-1
 CURRENT FILING DATE: 2001-12-20
 NUMBER OF SEQ ID NOS: 34
 SOFTWARE: PeatsSEQ for Windows Version 4.0
 SEQ ID NO 1
 LENGTH: 36
 TYPE: PRT
 ORGANISM: *Meleagris gallopavo*
 US-10-027-038-1

Query Match 69.7%; Score 147; DB 12; Length 36;
 Best Local Similarity 87.1%; Pred. No. 7e-12; Mismatches 1; Indels 0; Gaps 0;
 Matches 27; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 3 PSQOPTPGDPGPGPVEDLIRPYDNLQQWLNCT 33
 Db 2 PSQOPTPGDDAPVEDLIRPYDNLQQYLNVT 32

RESULT 13
 US-10-027-038-9
 Sequence 9, Application US/00227038
 Publication No. US20030158380A1
 GENERAL INFORMATION:
 APPLICANT: Quirk, S.
 TITLE OF INVENTION: Modular peptide-based reagent
 FILE REFERENCE: 1443.026US1
 CURRENT APPLICATION NUMBER: US/10/027,038
 CURRENT FILING DATE: 2001-12-20
 NUMBER OF SEQ ID NOS: 34
 SOFTWARE: PeatsSEQ for Windows Version 4.0
 SEQ ID NO 9
 LENGTH: 37
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: A peptide backbone.

RESULT 14
 US-10-027-038-9
 Query Match 69.7%; Score 147; DB 12; Length 37;
 Best Local Similarity 87.1%; Pred. No. 7.2e-12; Mismatches 1; Indels 0; Gaps 0;
 Matches 27; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 3 PSQOPTPGDPGPGPVEDLIRPYDNLQQWLNCT 33
 Db 2 PSQOPTPGDDAPVEDLIRPYDNLQQYLNVT 32

RESULT 15
 US-09-840-085-54
 Sequence 54, Application US/09840085
 Publication No. US20030166240A1
 GENERAL INFORMATION:
 APPLICANT: Schepartz Shader, Alanna
 APPLICANT: Chin, Jason W. K.
 APPLICANT: Zutshi, Reena
 APPLICANT: Rutledge, Stacey E.
 APPLICANT: Kehlbeck Martin, Joanne D.
 TITLE OF INVENTION: DNA and Protein Binding Miniature Proteins
 FILE REFERENCE: 44574-5099-US
 CURRENT APPLICATION NUMBER: US/09/840,085
 CURRENT FILING DATE: 2001-04-24
 PRIOR APPLICATION NUMBER: US 60/199,408
 PRIOR FILING DATE: 2000-04-24
 PRIOR APPLICATION NUMBER: US 60/240,566
 PRIOR FILING DATE: 2000-10-13
 PRIOR APPLICATION NUMBER: US PROVISIONAL
 PRIOR FILING DATE: 2001-01-13
 NUMBER OF SEQ ID NOS: 73
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 54
 LENGTH: 34
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: PPMyo2, MyoD
 OTHER INFORMATION: peptide

RESULT 16
 US-09-840-085-54
 Sequence 54, Application US/09840085
 Publication No. US20030166240A1
 GENERAL INFORMATION:
 APPLICANT: Schepartz Shader, Alanna
 APPLICANT: Chin, Jason W. K.
 APPLICANT: Zutshi, Reena
 APPLICANT: Rutledge, Stacey E.
 APPLICANT: Kehlbeck Martin, Joanne D.
 APPLICANT: Zondlo, Neal J.
 TITLE OF INVENTION: DNA and Protein Binding Miniature Proteins
 FILE REFERENCE: 44574-5099-US
 CURRENT APPLICATION NUMBER: US/09/840,085
 CURRENT FILING DATE: 2001-04-24
 PRIOR APPLICATION NUMBER: US 60/199,408
 PRIOR FILING DATE: 2000-04-24
 PRIOR APPLICATION NUMBER: US 60/240,566
 PRIOR FILING DATE: 2000-10-13
 PRIOR APPLICATION NUMBER: US PROVISIONAL
 PRIOR FILING DATE: 2001-01-13
 PRIOR APPLICATION NUMBER: US PROVISIONAL
 PRIOR FILING DATE: 2001-02-23
 NUMBER OF SEQ ID NOS: 73
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 54
 LENGTH: 34
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: PPMyo2, MyoD
 OTHER INFORMATION: peptide

Search completed: December 17, 2003, 16:32:26
 Job time : 37 secs